AR TARGET SHEET

The following document was too large to scan as one unit, therefore, it has been divided into sections.

EDMC#: 0076456
SECTION: 1 of 2

DOCUMENT #: 08-AMCP-0121

TITLE: ADMINISTRATIVE DECOMMISSIONING FOR WELLS WITH SURVEYS

0076456

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

08-AMCP-0121

MAR 0 5 2008

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EDMC

Ms. J. A. Hedges, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton
Richland, Washington 99354

Dear Ms. Hedges:

ADMINISTRATIVE DECOMMISSIONING FOR 28 WELLS WITH AND WITHOUT SURVEYS

The purpose of this letter is to transmit recent results of a continued systematic effort by the U.S. Department of Energy, Richland Operations Office to identify unique well records on the Hanford Site that require administrative decommissioning.

Attachment 1 lists 28 unique well records numerically by well identification and associated well name. In the past, a well identification number and a formal well name were assigned. Seventeen of the wells have survey coordinates and eleven do not. Twenty five are conventional single cased wells and three are piezometers. Attachment 2 contains copies of the pertinent supporting documentation available to administratively decommission these wells.

All wells onsite are assigned a unique well identification number during the well construction planning process. Once a well identification is assigned, that identification becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well identifications and other pertinent well data are tracked in the Hanford Well Information System (HWIS). The well identification is also used as a "place holder" in the well name column in HWIS. Once the well is completed, the "place holder" well identification is replaced with a formal well name. The well naming protocols are designed to convey the well's general location onsite.

None of the wells have Water Well Reports available in the State of Washington Department of Ecology database. This documentation will be used to change the Current Well Status of all of these wells to "Decommissioned – Verified" in the HWIS Well Inventory.

If there are any questions, please contact me, or your staff may contact, Briant Charboneau, of my staff, on (509) 373-6137.

Sincerely,

Matthew S. McCormick, Assistant Manager
for the Central Plateau

AMCP:FMR

Attachments

cc w/attachs:
Administrative Record
Environmental Portal

cc w/o attachs:
B. H. Ford, FHI
R. E. Piippo, FHI
J. G. Vance, FFS

ADMINISTRATIVE DECOMMISSIONING FOR 28 WELLS WITH SURVEYS

Attachment 1. Well Naming Conventions and List of wells in this package.

All wells on the Site are assigned a unique well identification number (Well ID) during the well construction planning process. Once a Well ID is assigned; e.g. A7859, that ID becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well IDs, and other pertinent well data are tracked in HWIS. The Well ID is also used as a "place holder" in the Well Name column in HWIS. Once the well is completed, the "place holder" Well ID is replaced with a formal Well Name, such as 299-W22-52. The well naming protocols are designed to convey the well's general location on the Site. For example, wells within the 100, 200, 300, 400, 600, and 1100 Areas have Well Names which begin with "199, 299, 399, 499, 699, or 1199" followed by two numbers separated by dashes. For 200 West Area wells the first number after "299-W" refers to the 200 West Area sheet in which the well is located and the last number refers to the sequential well in that area. Therefore, Well Name 299-W22-52 refers to the 52nd well in the 22^{nt} sheet in the 200 West Area. The 600 Area Well Name is derived from the absolute value of the well's northing and westing in Hanford Plant coordinates rounded to the nearest 1,000 feet, respectively. For example, Well Name 699-4-6 is located in the area near 4,000 ft northing and 6,000 ft westing in Hanford Plant coordinates. Subsequent wells in the same area are labeled sequentially starting with a "B" suffix. The first Well Name in the same area would usually be relabeled with an "A" suffix. A piezometer well has an O, P, Q, R, S, T, or U added to the last number in the Well Name.

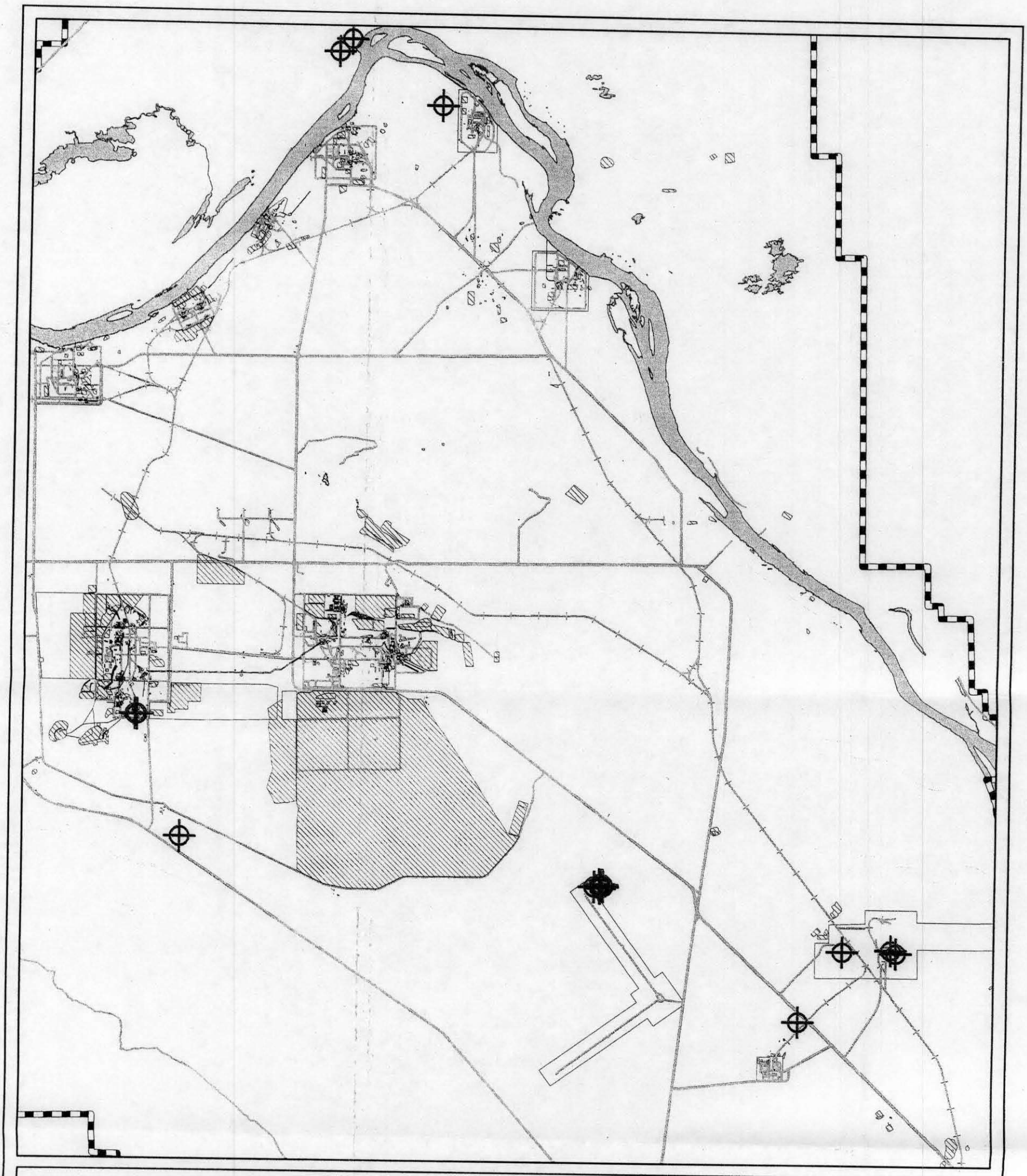
DOE/RL follows the requirements of WAC 173-160-460 with regard to well decommissioning. A completed Water Well Report form is required to be transmitted (by the Driller) to Washington State Department of Ecology (Ecology) when a well is decommissioned. This report provides the details of the well's construction and the steps taken to decommission (plug) the well. When the records available are insufficient to meet the specific requirements of the well decommissioning process, or there is no record of the transmittal, the wells are *Administratively* Decommissioned; i.e., all available information is provided to Ecology to demonstrate that the well was never drilled, or was drilled and subsequently plugged. Since many hundreds of wells were planned but not drilled, or drilled but subsequently plugged, between Site inception in 1943 and 1986, these wells are candidates for *Administrative* Decommissioning. In addition, records of some wells that were planned and not drilled, or drilled and plugged *after* 1986, apparently were inadvertently not transmitted to Ecology, as required.

Seventeen of the wells in this document have survey coordinates and eleven do not have survey coordinates. 25 of the wells listed below are conventional single cased wells and three are piezometers (small diameter tubes placed within a host well). None of the wells have Water Well Reports available in the Ecology database. Water Well Reports may have been transmitted to Ecology at the time of decommissioning, however there is no record in the database. This documentation will be used to change the Current Well Status of all of these wells to "Decommissioned - Verified" in the HWIS Well Inventory. Please inform Ecology of these changes.

	WELL_ID	WELL_NAME
1	A7859	299-W22-52
2	A7864	299-W22-57
3	A8129	699-4-6
4	A8204	699-11-1E
5	A8222	699-11-E4A
6	A8223	699-11-E4B
7	C3787	699-17-26M
8	C3788	699-17-26Q
9	C3789	699-17-26R
10	C3790	699-17-26T
11	C3791	699-17-26V
12	A8369	699-17-27
13	C3794	699-17-27N
14	A8437	699-20-E19
15	A9618	699-22-70O
16	A8622	699-40-11C
17	A8623	699-40-11D
18	A8954	699-62-57
19	A8985	699-78-36
20	A9026	699-84-36D
21	A9027	699-84-36E
22	A9028	699-84-36F
23	A9776	699-97-43O
24	A9777	699-97-43P
25	A9094	699-97-52
26	A9105	699-103-53A
27	A9106	699-103-53B
28	A9225	699-S36-13B

FY 2008 Administrative Decommissioning Letter 38 28 wells starting with 299-W22-52 (A7859) ending with 699-S36-13B (A9225)
Wells with and without survey coordinates

	WELL_ID	WELL_NAME	NORTHING	EASTING	WELL_TYPE	STATUS_CHANGE_COMMENT	DRILL DATE	DRILL DEPTH	CONST DATE	CONST DEPTH	DTB	DTW	WELL NAME SYNONYMS	DATE LAST ROUTINE MAINTENANCE	DATE LAST MAINTENANCE	CLOSURE ZONE	GW AOI	MONUMENT_LOC
1	A7859	299-W22-52	133972.296	567358.756	VADOSE WELL	FY 2008 Admin Decomm Pkg 2 Rev Redox test hole #2 202-S Redox Canyon & Service Facility constructed on survey site	31-Dec-48	50			50		REDOX 2	31-Dec-48	31-Dec-48	REDOX	200-UP-1	Hanford (Not in Monument)
2	A7864	299-W22-57	133970.917	567419.673	VADOSE WELL	FY 2008 Admin Decomm Pkg 2 Rev Redox test hole #7 202-S Redox Canyon & Service Facility constructed on survey site	31-Dec-48	50			50		REDOX 7	31-Dec-48	31-Dec-48	REDOX	200-UP-1	Hanford (Not in Monument)
3	A8129	699-4-6	124584.231	588223.851	BORING	found - no casing detected 1974 shothole boring air rotary for WPPSS	31-Dec-74	115					1B-SP-1	31-Dec-74	31-Dec-74		200-PO-1	Hanford (Not in Monument)
4	A8204	699-11-1E	126792.734	589585.394	BORING	found - no casing detected 1972 hollow stem auger for WPPSS WNP-2 foundation test boring	31-Dec-72	59					B-22	31-Dec-72	31-Dec-72		300-FF-5	Hanford (Not in Monument)
5	A8222	699-11-E4A	126858.75	591095.267	BORING	found - no casing detected - hollow stem auger for WPPSS 1974 WNP-1 foundation test boring	31-Dec-74	78					DB-2	31-Dec-74	31-Dec-74		300-FF-5	Hanford (Not in Monument)
6	A8223	699-11-E4B	126762.01	591254.347	BORING	found - no casing detected hollow stem auger for WPPSS 1972 WNP-1 foundation test boring	31-Dec-72	90					DB-5	31-Dec-72	31-Dec-72		300-FF-5	Hanford (Not in Monument)
7	C3787	699-17-26M	128810.593	582058.747	BORING	found at listed coordinates: N128810.59 E582058.75 Set hub & lath. Hollow stem auger for NESCO 1981 foundation test boring											200-PO-1	Hanford (Not in Monument)
8	C3788	699-17-26Q	128703.85	581976.56	BORING	found at listed coordinates: N128703.85 E581976.56. Set hub & lath. Hollow stem auger for NESCO 1981 foundation test boring											200-PO-1	Hanford (Not in Monument)
9	C3789	699-17-26R	128752.613	582073.897	BORING	found at listed coordinates: N128752.610 E582073.897 Hollow stem auger for NESCO 1981 foundation test boring											200-PO-1	Hanford (Not in Monument)
10	C3790	699-17-26T	128825.641	581952.09	BORING	found at listed coordinates: N128825.64 E581952.09 Set hub and lath. Hollow stem auger for NESCO 1981 foundation test boring											200-PO-1	Hanford (Not in Monument)
11	C3791	699-17-26V	128801.407	581994.825	BORING	found at listed cooordinates: N128801.1 E581994.83 Set hub & lath. Hollow stem auger for NESCO 1981 foundation test boring											200-PO-1	Hanford (Not in Monument)
	A8369	699-17-27			VADOSE WELL	2007 09 ADMIN DECOMMISSIONING Ecology previously notified	31-Dec-81				110.1			31-Dec-81	31-Dec-81			
	C3794	699-17-27N	128752.322	581799.687	UNCLASSIFIED	FY 2008 Admin Decomm Pkg 2 Rev Survey data report: Well not found at listed coordinates: N128752.320 E581799.687											200-PO-1	Hanford (Not in Monument)
14	A8437	699-20-E19			UNCLASSIFIED	FY 2008 admin decomm no survey coordinates												
15	A9618	699-22-70O	130165.727	568798.297	HOSTED PIEZOMETER	FY 2008 Admin Decomm Pkg 2 Rev 2006 Field Inspection Piezos exist except "O"pump in well	29-Nov-62	373	30-Apr-65	200	200			29-Nov-62	29-Nov-62		200-ZP-1	Hanford (Not in Monument)
16	A8622	699-40-11C			UNCLASSIFIED	FY 2008 admin decomm no survey coordinates												
17	A8623	699-40-11D			UNCLASSIFIED	FY 2008 admin decomm no survey coordinates												
18	A8954	699-62-57			UNCLASSIFIED	FY 2008 admin decomm no survey coordinates												
19	A8985	699-78-36			VADOSE WELL	FY 2008 admin decomm no survey coordinates							N.RUN NO.4, REF.2 NO.20					
20	A9026	699-84-36D			VADOSE WELL	potential multiple casing FY 2008 admin decomm no survey coordinates	30-Apr-74	35						30-Apr-74	30-Apr-74			
21	A9027	699-84-36E			VADOSE WELL	potential multiple casing FY 2008 admin decomm no survey coordinates	30-Apr-74	35						30-Apr-74	30-Apr-74			
22	A9028	699-84-36F			VADOSE WELL	potential multiple casing FY 2008 admin decomm no survey coordinates	30-Apr-74	35						30-Apr-74	30-Apr-74			
23	A9776	699-97-43O	153090.273	576671.931	HOSTED PIEZOMETER	FY 2008 Admin Decomm Pkg 2 Rev - in 1997 piezos removed, well cleaned out. A cement plug was installed at 83 ft.	12-Oct-62	100	31-Dec-65	60	43.05			12-Oct-62	12-Oct-62	100-HR-3-H	Hanford (Not in Monument)
24	A9777	699-97-43P	153090.273	576671.931	HOSTED PIEZOMETER	FY 2008 Admin Decomm Pkg 2 Rev - in 1997 piezos removed, well cleaned out. A cement plug was installed at 83 ft.	12-Oct-62	100	31-Aug-63	90	89			12-Oct-62	12-Oct-62	100-HR-3-H	Hanford (Not in Monument)
25	A9094	699-97-52			UNCLASSIFIED	FY 2008 admin decomm no survey coordinates	31-May-43	37					RANNEY TH #9, RANNEY TH#9	31-May-43	31-May-43			
	A9105	699-103-53A	154733	573406	VADOSE WELL	FY 2008 Admin Decomm Pkg 2 Rev Survey Data Report - No well found - no casing detected							14/26-10A1					Monument North (Wahluke Slope)
27	A9106	699-103-53B	155136	573798	VADOSE WELL	FY 2008 Admin Decomm Pkg 2 Rev Survey Data Report - No well found - no casing detected							14/26-2N1					Monument North (Wahluke Slope)
28	A9225	699-S36-13B			UNCLASSIFIED	FY 2008 admin decomm no survey coordinates												



Wells Administratively Decommissioned

Buildings and Mobiles

Highways

Major Roads

Railroads

Waste Sites

Hanford Reach National Monument

Administrative Decommissioning
FY 2008 Package 2

Prepared for:
US DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

Created and Published by: Central Mapping Services
Fluor Hanford, Richland, WA (509) 373-9076
INTENDED USE: REFERENCE ONLY
Projection: Lambert Conformal Conic
Coordinate System: Washington State Plane, South, Meters
Horizontal Datum: NAD83
Vertical Datum: NAVD88

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699-103-53B
699-103-53A
699-97-43O
699-97-43P
299-W22-57
299-W22-52
699-22-70O
699-17-26M
699-17-27N
699-17-26R
699-17-26T
699-17-26Q
699-17-26V
699-11-E4A
699-11-1E
699-11-E4B
699-4-6

Wells Administratively Decommissioned
Highways
Major Roads
Railroads
Buildings and Mobiles
Waste Sites
Hanford Site Boundary
DOE Operating Areas
Leased/Permitted Areas
600 Area
Other Areas
Hanford Reach National Monument

Administrative Decommissioning
FY 2008 Package 2

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299-W22-52
A7859

WELL ATTRIBUTES REPORT

WELL ID	A7859	**NORTHING**	133972.296	**FIELD ORDER NO**	
WELL NAME	299-W22-52	**EASTING**	567358.756	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	208.329	**CONST DATE**	
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1948	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	202-S				
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE ☑ ND	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED ☑ ND	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	50	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A7859	**NORTHING**	133972.296	**FIELD ORDER NO**	
WELL NAME	299-W22-52	**EASTING**	567358.756	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	208.329	**CONST DATE**	
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1948	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	202-S				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
299-W22-43	134539.24	36339.10	691.35	244.0	S	4.0	223.7	244.0	
GW	567532.48	-73376.50	4.0	244.0					
H			5/90	226.2					
299-W22-44	134484.42	36163.90	678.13	246.0	S	4.0	205.1	242.2	
GW	566955.99	-75268.60	4.0	246.0					
H			11/91	210.5					
299-W22-45	134292.51			240.0	S	4.0	198.1	233.9	
				239.0					
				201.3					
				241.0	S	4.0	192.9	228.9	
				241.0					
				205.9					
				50.0					
				50.0					
									REDOX 1
299-W22-52		34480.00	680.00	50.0					
VW		-73950.00	8.0	50.0					
			12/48						REDOX 2
299-W22-53		35350.00	680.00	50.0					
VW		-75955.00	8.0	50.0					
			12/48						REDOX 3
299-W22-54		35600.00	680.00	50.0					
VW		-75625.00	8.0	50.0					
			12/48						REDOX 4
299-W22-55		35075.00	680.00	50.0					
VW		-75625.00	8.0	50.0					
			12/48						REDOX 5
299-W22-56		34330.00	672.00	50.0					
VW		-74330.00	8.0	50.0					
			12/48						REDOX 6
299-W22-57		34475.00	680.00	50.0					
VW		-73750.00	8.0	50.0					
			12/48						REDOX 7
299-W22-58		34450.00	680.00	30.0					
VW		-73500.00	8.0	30.0					
			12/48						REDOX 8

Hanford Wells

PNL-8800 UC-903

M. A. Chamness & J. K. Merz

August 1993

Prepared for U. S. Dept of Energy under

Contract DE-AC06-76RLO 1830

Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

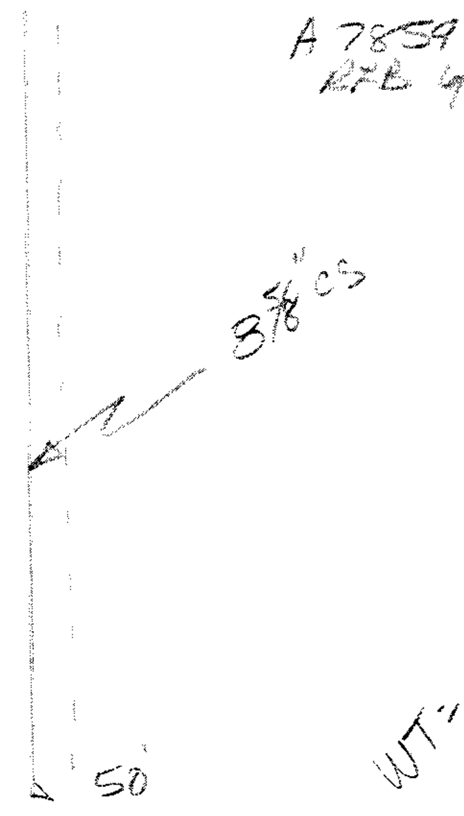
WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A7859	299-W22-52	UNKNOWN	NAD83	01/01/1801	CONVERTED	133972.296	567358.756	m	

Rader Test Well #2

299-W22-52
CT? 12/12/1948

V 34460
W 73,950

A 7859
RFL 6/20/06



Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	S
A7859	299-W22-52	12/31/1948		50	ft		

299-W22-52

DRILLING LOG

W22-

PROJECT NO. F-10156

Rig No. HO-22-3127
Well No. #2 Redox test hole ~N34,480 ~W73,950
Driller Rumley
Foreman Russell

Date 12-28-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 25'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:30	Dressing in and driving to well site
					8:30 to 9:30	Moving rig
					9:30 to 10:30	Leveling rig and rigging up
					10:30 to 12:00	Setting up rig
					12:00 to 12:30	Lunch
12:30 to 1:00	5'			Fine sand and silt		
1:00 to 1:25	10'			Fine sand and silt		
					1:25 to 1:35	Bailing
					1:35 to 1:45	Putting in 15' starter casing. Total 15'.
1:45 to 2:00	15'			Fine sand and silt		
					2:00 to 2:10	Bailing
2:10 to 2:35	20'			Fine sand and silt		

REMARKS

Easy drilling in fine sand and silt from 0 to 25'. Caving from 10' to 15'. Easy to bail out sludge. Can get from 5' to 10' ahead of casing.

HW-6.287

DRILLING LOG

W22

PROJECT NO. F-10156

Rig No. HO-22-3127
Well No. Redox test hole # 2
Driller Rumley
Foreman Russell

Date 12-28-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 25'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					2:35 to 2:40	Bailing
2:40 to 3:00	25'			Fine sand and silt		
					3:00 to 3:15	Welding 9' casing. Total 24'.
					3:15 to 3:20	Driving casing
					3:20 to 3:30	Setting up casing
					3:30 to 4:00	Dressing out and driving to yard

REMARKS

HW-6.287

DRILLING

W22

PROJECT NO. F-10156

Rig No. HO-22-3127
Well No. Redox test hole # 2
Driller Rumley
Foreman Russell

Date 12-29-48
Shift #2
Depth beginning of Shift 25'
Depth completion of Shift 50'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:30	Safety Meeting.
					8:30 to 9:00	Dressing in and driving to well site
					9:00 to 9:15	Welding 9' pipe. Total 33'.
					9:15 to 9:25	Driving casing
9:25 to 10:00	30'			Fine sand and silt		
					10:00 to 10:05	Bailing
10:05 to 10:30	35'			Fine sand and silt		
					10:30 to 10:35	Bailing
10:35 to 11:00	40'			Fine sand and silt		
					11:00 to 11:10	Bailing
					11:10 to 11:30	Welding 9' casing. Total 42'.
					11:30 to 11:35	Driving casing

REMARKS

Easy drilling from 25' to 50' in fine sand and silt. Water staying and easy to bail out sludge and casing driving easy. Can get 5' to 10' of open hole.

HW-6.287

DRILLING LOG

W22-

PROJECT NO. F-10156

Rig No. HO-22-3127
Well No. Redox test hole # 2
Driller Rumley
Foreman Russell

Date 12-29-48
Shift #2
Depth beginning of Shift 25'
Depth completion of Shift 50'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
11:35 to 11:50	44'			Fine sand and silt		
					11:50 to 12:00	Bailing
					12:00 to 12:30	Lunch
12:30 to 12:40	45'			Fine sand and silt		
					12:40 to 12:50	Bailing
12:50 to 1:15	48'			Fine sand and silt		
					1:15 to 1:25	Welding 9' casing. Total 51'.
					1:25 to 1:35	Driving casing
1:35 to 1:45	50'			Fine sand, silt and some rocks		
					1:45 to 2:00	Bailing out
					2:00 to 3:00	Moving to new location
					3:00 to 3:30	Leveling rig
					3:30 to 4:00	Dressing out and driving to yard

REMARKS

HOLE COMPLETE

Rafuse, Edward C

From: Biggerstaff, Dick L
Sent: Thursday, July 06, 2006 2:25 PM
To: Rafuse, Edward C
Cc: Davis, Jerry D; Howard, Bonnie J; Worley, Scott H
Subject: well info
Importance: High

Ed--in order to finalize the 90+ well decommissioning package for FY07 I need some additional data on some wells and I need full blown WAR's on a number of others. I need full WAR's on: 299-W10-170, W11-52, W15-101 (inside building 216-29A), W18-75, W18-156 (under PFP fence), W18-243, W19-20, W19-77, W22-52, 55, 57, 59, & 64, W23-230. I need only casing size and wall thickness on the following wells: 299-W11-44, 299-W14-54, 55, & 62, W22-61 & 63. Your expert help would be greatly appreciated!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

299-W11-52, 299-W11-57 } located in 2025 Bldg. REDOX

299-W11-52 - SOUTH OF "T" PLANT ALONG 23rd ST. - SCAN & SURVEY COMPLETED.

299-W23-230 WAITING FOR SURVEY & SCAN DATA

299-W18-243 NO COORDINATES E 566361.378 N 135424.947

299-W11-44 NO COORDINATES 567428.39, 136751.61

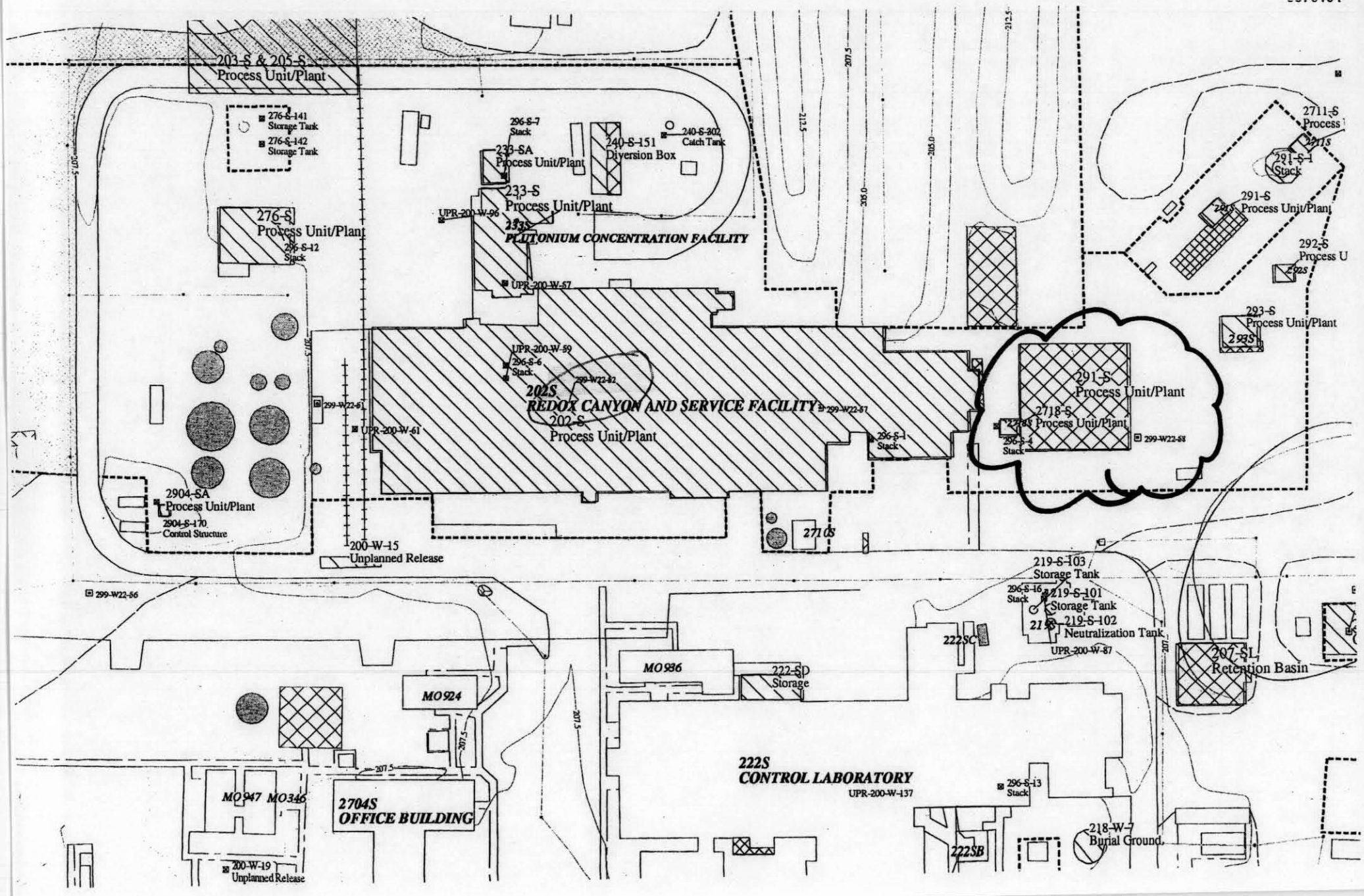
299-W14-54 6" CSG -250

299-W14-55 6" CSG -325

299-W14-62 8 5/8" CSG -340

299-W22-61 6" W/ WELDED FLANGE

299-W22-62 6" W/ WELDED FLANGE


203-S & 205-S
Process Unit/Plant
276-S-141
Storage Tank
276-S-142
Storage Tank
276-S
Process Unit/Plant
296-S-12
Stack
296-S-7
Stack
233-SA
Process Unit/Plant
240-S-151
Diversion Box
240-S-302
Catch Tank
233-S
Process Unit/Plant
UPR-200-W-96
233S
PLUTONIUM CONCENTRATION FACILITY
UPR-200-W-57
UPR-200-W-59
296-S-6
Stack
299-W22-62
202S
REDOX CANYON AND SERVICE FACILITY
202-S
Process Unit/Plant
299-W22-57
299-W22-61
UPR-200-W-61
296-S-1
Stack
291-S
Process Unit/Plant
2718-S
Process Unit/Plant
296-S-4
Stack
299-W22-58
2711-S
Process
291-S-1
Stack
291-S
Process Unit/Plant
292-S
Process U
293-S
Process Unit/Plant
2904-SA
Process Unit/Plant
2904-S-170
Control Structure
200-W-15
Unplanned Release
2710S
299-W22-56
219-S-103
Storage Tank
296-S-16
Stack
219-S-101
Storage Tank
219-S-102
Neutralization Tank
UPR-200-W-87
222SC
207-S-1
Retention Basin
MO-936
222-SD
Storage
MO-924
MO-947
MO-346
2704S
OFFICE BUILDING
222S
CONTROL LABORATORY
UPR-200-W-137
296-S-13
Stack
222SB
218-W-7
Burial Ground
200-W-19
Unplanned Release

299-W22-57
A7864

WELL ATTRIBUTES REPORT

WELL ID	A7864	**NORTHING**	133970.917	**FIELD ORDER NO**	
WELL NAME	299-W22-57	**EASTING**	567419.673	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	208.329	**CONST DATE**	
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1948	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	202-S,296-S-1				
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE ☑ ND	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED ☑ ND	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)	50	DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A7864	**NORTHING**	133970.917	**FIELD ORDER NO**	
WELL NAME	299-W22-57	**EASTING**	567419.673	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	208.329	**CONST DATE**	
GW OPERABLE UNIT	200-UP-1	**DRILL DATE**	12/31/1948	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT	202-S,296-S-1				
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

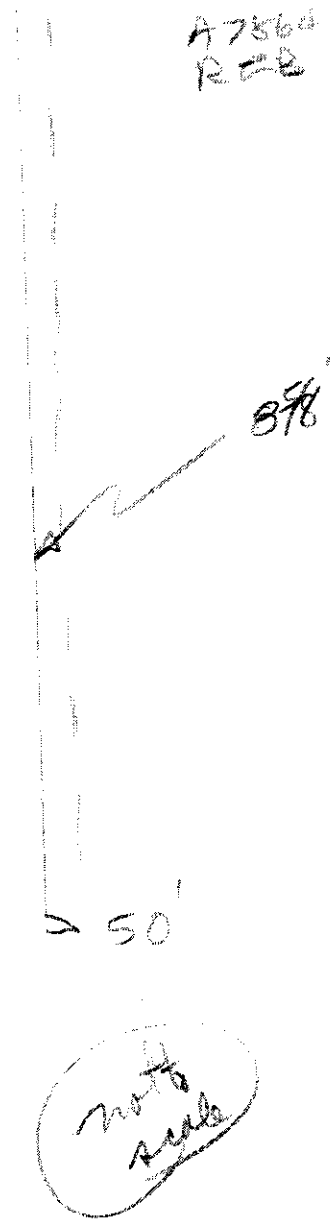
CHANGES

WELL NAME WELL TYPE PUMP TYPE	COORDINATES L 83 NS/EW	 PLANT NS/EW	CASING ELEV WELL DIAM DATE_COMPL	DRILL DEPTH COMPL DEPTH DEPTH WATER	PERF/SCREEN TYPE	 DIAM	 TOP	 BOT	COMMENTS PREVIOUS WELL NAMES
299-W22-43 GW H	134539.24 567532.48	36339.10 -73376.50	691.35 4.0 5/90	244.0 244.0 226.2	S	4.0	223.7	244.0	
299-W22-44 GW H	134484.42 566955.99	36163.90 -75268.60	678.13 4.0 11/91	246.0 246.0 210.5	S	4.0	205.1	242.2	
299-W22-45 GW H	134292.51 566945.16		4.0 8/92	240.0 239.0 201.3	S	4.0	198.1	233.9	
299-W22-46 GW H	134127.84 566903.85		671.18 4.0 11/91	241.0 241.0 205.9	S	4.0	192.9	228.9	
299-W22-51 VW		34480.00 -74150.00	680.00 8.0 12/48	50.0 50.0					REDOX 1
299-W22-52 VW		34480.00 -73950.00	680.00 8.0 12/48	50.0 50.0					REDOX 2
299-W22-53 VW		35350.00 -75955.00	680.00 8.0 12/48	50.0 50.0					REDOX 3
299-W22-54		35600.00	680.00	50.0 50.0					REDOX 4
				50.0 50.0					REDOX 5
				50.0 50.0					REDOX 6
299-W22-57 VW		34475.00 -73750.00	680.00 8.0 12/48	50.0 50.0					REDOX 7
299-W22-58 VW		34450.00 -73500.00	680.00 8.0 12/48	30.0 30.0					REDOX 8

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

A7560
R=B 6/28/06

299-W22-57
OT 12/31/1945



HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A7864	299-W22-57	UNKNOWN	NAD83	01/01/1801	CONVERTED	133970.917	567419.673	m	

W23-57
299-W22-67
299-W22-57 RLB 4/22/04

W22-5

DRILLING LOG

PROJECT NO. F-10156

Rig No. HO-22-3127
Well No. Redox test hole # 7 ~N 31,475
Driller Rumley ~W 73,750
Foreman Russell

Date 12-30-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 50'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					7:48 to 8:30	Dressing in and driving to well site
8:30 to 8:45	5'			Fine sand and silt		
					8:45 to 8:50	Bailing
8:50 to 9:20	10'			Fine sand and silt		
					9:20 to 9:30	Bailing
9:30 to 9:50	15'			Fine sand and silt		
					9:50 to 10:00	Bailing
10:00 to 10:20	20'			Fine sand and silt		
					10:20 to 10:30	Bailing
10:30 to 10:45	25'			Fine sand and silt		
					10:45 to 10:50	Putting in 15' starter casing. Total 15'.
					10:50 to 11:15	Welding 9' casing. Total 24'.

REMARKS

Drilling easy in fine sand and silt from 0 to 50'. Water staying and caving some from 15' to 20'. Hole standing up good.

HW-6.28.

W22

DRILLING LOG

PROJECT NO. F-10156

Rig No. HO-22-3127
Well No. Redox test hole # 7
Driller Rumley
Foreman Russell

Date 12-30-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 50'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					11:15 to 11:30	Driving casing
11:30 to 11:45	30'			Fine sand and silt		
					11:45 to 12:00	Bailing
					12:00 to 12:30	Lunch
12:30 to 1:00	35'			Fine sand and silt		
					1:00 to 1:15	Bailing
					1:15 to 1:30	Welding 9' casing. Total 33'.
					1:30 to 1:35	Driving casing
1:35 to 1:50	40'			Fine sand and silt		
					1:50 to 2:00	Bailing
2:00 to 2:25	45'			Fine sand and silt		
					2:25 to 2:35	Bailing

REMARKS

NW-6.28

DRILLI LOG

W22-

PROJECT NO. F-10156

Rig No. HO-22-3127
Well No. Redox test hole # 7
Driller Rumley
Foreman Russell

Date 12-30-48
Shift #2
Depth beginning of Shift 0
Depth completion of Shift 50'

DRILLING		CORING		TYPE SOIL	OTHER DELAYS	
Time	Depth	Time	Depth		Time	Explanation
					2:35 to 2:50	Welding 9' casing. Total 42'.
					2:50 to 3:00	Driving casing.
					3:00 to 3:10	Welding 9' casing. Total 51'.
3:10 to 3:30	50'			Fine sand and silt		
					3:30 to 4:00	Dressing out and driving to yard
						HOLE COMPLETE

REMARKS

W22-

HW-6.26

DRILLING LOG

PROJECT NO. F-10156

Rig No. HO-22-3127
Well No. Redox test hole # 7
Driller Rumley
Foreman Russell

Date 12-31-48
Shift #2
Depth beginning of Shift 50'
Depth completion of Shift 50'

DRILLING		CORING		TYPE SOIL
Time	Depth	Time	Depth	

OTHER DELAYS	
Time	Explanation
7:48 to 8:30	Dressing in and driving to well site
8:30 to 9:00	Mixing and bailing
9:00 to 9:45	Waiting for welder
9:45 to 10:30	Making babbit socket
10:30 to 10:50	Hard-facing bit
10:50 to 11:20	Changing bit
11:20 to 12:00	Tearing rig down
12:00 to 12:30	Lunch
12:30 to 1:30	Tearing rig down
1:30 to 2:30	Moving rig into 200 West.
2:30 to 3:30	Setting rig and rigging up.
3:30 to 4:00	Dressing out and driving to yard

REMARKS

Rafuse, Edward C

From: Biggerstaff, Dick L
Sent: Thursday, July 06, 2006 2:25 PM
To: Rafuse, Edward C
Cc: Davis, Jerry D; Howard, Bonnie J; Worley, Scott H
Subject: well info
Importance: High

Ed–in order to finalize the 90+ well decommissioning package for FY07 I need some additional data on some wells and I need full blown WAR's on a number of others. I need full WAR's on; 299-W10-170, W11-52, W15-101 (inside building 216-29A), W18-75, W18-156 (under PFP fence), W18-243, W19-20, W19-77, W22-52, 55, 57, 59, & 64, W23-230. I need only casing size and wall thickness on the following wells: 299-W11-44, 299-W14-54, 55, & 62, W22-61 & 63. Your expert help would be greatly appreciated!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

1 299-W11-52 } located in 200 S BLDG. REDOX
299-W11-57 }

299-W11-52 – SOUTH OF "T" PLANT – SCAN & SURVEY COMPLETED.
ALONG 23RD ST.

299-W23-230 WAITING FOR SURVEY & SCAN DATA

299-W18-243 NO COORDINATES 566361.378 N, 135424.947 E

299-W11-44 ~~NO COORDINATES~~ 567299.39, 136751.61

299-W14-54 6" CSG -250

299-W14-55 6" CSG -325

299-W14-62 8 5/8" CSG -340

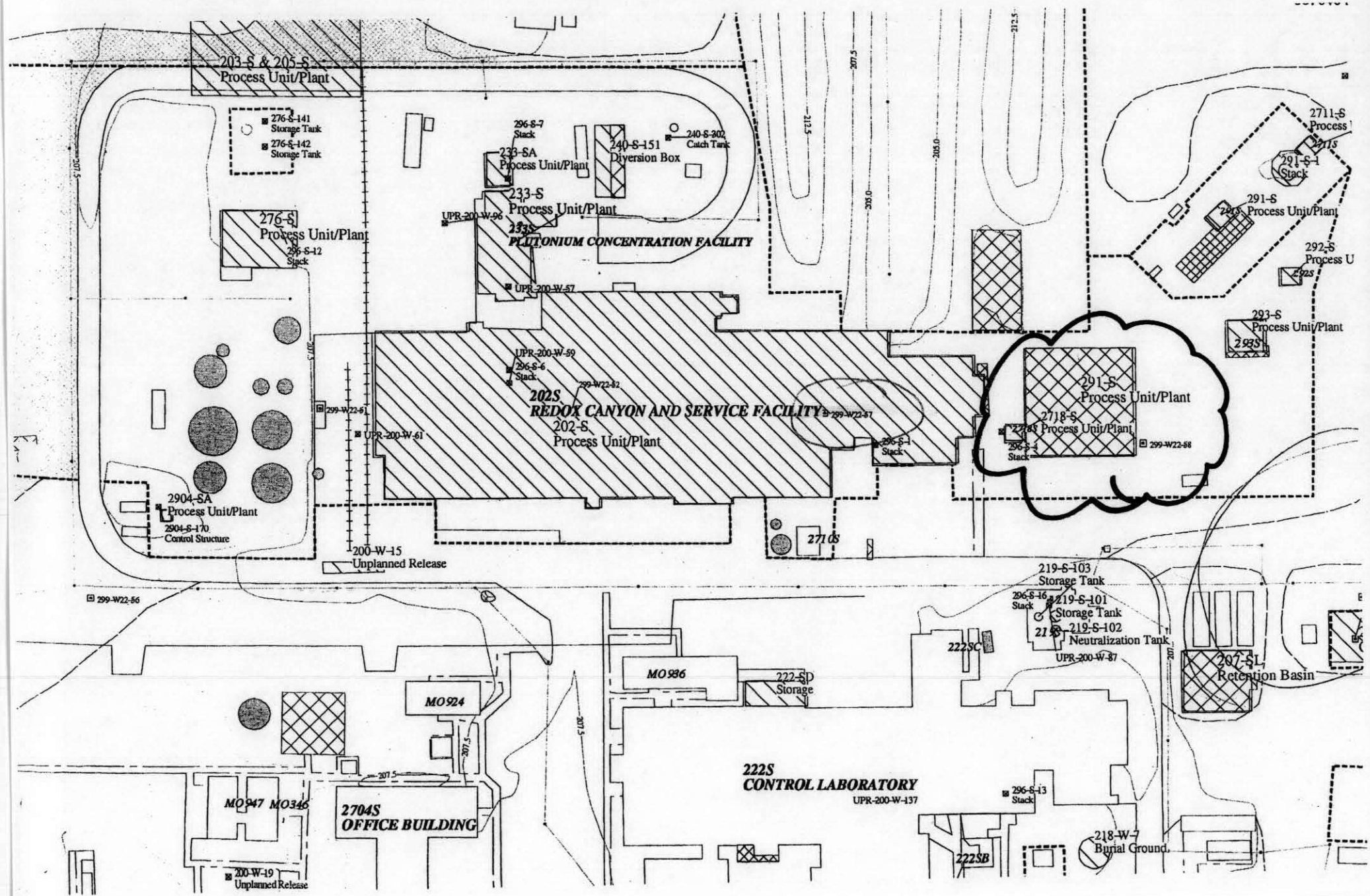
299-W22-61 6" W/ WELDED FLANGE

299-W22-62 6" W/ WELDED FLANGE

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMI
A7864	299-W22-57	12/31/1948		50	ft	


203-S & 205-S
Process Unit/Plant
276-S-141
Storage Tank
276-S-142
Storage Tank
276-S
Process Unit/Plant
296-S-12
Stack
296-S-7
Stack
233-SA
Process Unit/Plant
240-S-151
Diversion Box
240-S-302
Catch Tank
233-S
Process Unit/Plant
UPR-200-W-96
233S
PLUTONIUM CONCENTRATION FACILITY
UPR-200-W-57
UPR-200-W-59
296-S-6
Stack
299-W22-52
202S
REDOX CANYON AND SERVICE FACILITY
202-S
Process Unit/Plant
299-W22-57
299-W22-61
UPR-200-W-61
296-S-1
Stack
291-S
Process Unit/Plant
2718-S
2718S Process Unit/Plant
296-S-4
Stack
299-W22-58
2711-S
Process
2711S
291-S-1
Stack
291-S
291S Process Unit/Plant
292-S
Process U
292S
293-S
Process Unit/Plant
293S
2904-SA
Process Unit/Plant
2904-S-170
Control Structure
200-W-15
Unplanned Release
2710S
299-W22-56
219-S-103
Storage Tank
296-S-16
Stack
219-S-101
Storage Tank
219S
219-S-102
Neutralization Tank
UPR-200-W-87
222SC
207-SL
Retention Basin
MO-936
222-SD
Storage
MO-924
222S
CONTROL LABORATORY
UPR-200-W-137
296-S-13
Stack
MO-947 MO-346
2704S
OFFICE BUILDING
200-W-19
Unplanned Release
218-W-7
Burial Ground
222SB
207.5
212.5
205.0

699-4-6
A8129

WELL ATTRIBUTES REPORT

WELL ID	A8129	**NORTHING**	124584.231	**FIELD ORDER NO**	
WELL NAME	699-4-6	**EASTING**	588223.851	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	148.573	**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**	12/31/1974	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A8129	**NORTHING**	124584.231	**FIELD ORDER NO**	
WELL NAME	699-4-6	**EASTING**	588223.851	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	148.573	**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**	12/31/1974	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-4-5		4100.00	476.71	106.0					
SW		-4900.00	12/74						1B-SP-2
699-4-6		3500.00	484.00	115.0					
SW		-5600.00	12/74						1B-SP-1
699-4-81									MICROBIOLOGY SAMPLING BOREHOLE
AB									
699-5-E6									
SW									1C-SP-2
699-5-2									
SW									1A-SP-4
699-5-3		5200.00	465.10	106.0					
SW		-2700.00	12/74						1B-SP-4
699-5-4		4600.00	465.40	105.0					
SW		-3800.00	12/74						1B-SP-3
699-6-E16		5890.00	369.40	110.0					
SW		15500.00	12/71						P-1
699-6-E6		6350.00	432.20	96.0					
SW		5850.00	12/74						IC-SP-3
699-6-1		6300.00	437.70	75.0					
SW		-600.00	12/74						1B-SP-6
699-6-2A		5500.00	461.30	916.0					
GW		-2000.00	12/74	78.0					BH-137
699-6-2B		5600.00	454.80	104.0					
SW		-1600.00	12/74						1B-SP-6

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A8129	699-4-6	UNKNOWN	NAD83	01/01/1801	CONVERTED	124584.231	588223.851	m	

699-4-5 (1B-SP-2)
Location: N4100, W4900 11/28-7J1
Surface Elevation: 476.71
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand, dark gray, fine to medium sand w/some coarse sand, basalt grains	60	60
Sand & gravel, gray	5	65
Sand, light gray, fine to medium sand predominantly quartz . . .	14	79
Sand & gravel, dark brown, fine to coarse sand, fine to coarse gravel	7	86
Sand, light brown, fine sand, quartz	10	96
Driller's comment: cemented gravel	11	107

699-4-6 (1B-SP-1)
Location: N3500, W5600 11/28-7Q1
Surface Elevation: 484.00
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand, variegated, gray, fine sand, basalt grains	75	75
Sand, gray, fine to medium sand, basalt grains		
Sand, variegated gray & white, predominantly medium sand, predominantly quartz grains. . .		
Sand & gravel, gray, fine to coarse sand, fine to coarse gravel	40	115

THIS WELL HAS BEEN DECOMM.
SEE SURVEY SCAN & DATA & PHOTO
ECW 12/10/07

WELL ATTRIBUTES REPORT

FIELD ORDER NO A 8129
WELL ID 699-4-6
WELL NAME
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 124584.23
EASTING 588222.85
ELEVATION

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION		
WELL PAD	☐ YES	☐ NO	☐ ND*	WELL PAD	☐ YES	☐ NO
BRASS SURVEY MARKER	☐ YES	☐ NO	☐ ND*	BRASS SURVEY MARKER	☐ YES	☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES	☐ NO	☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES	☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES	☐ NO	☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES	☐ NO
WELL LABELED WITH WELL ID	☐ YES	☐ NO	☐ ND*	WELL LABELED WITH WELL ID	☐ YES	☐ NO
WELL LABELED WITH WELL NAME	☐ YES	☐ NO	☐ ND*	WELL LABELED WITH WELL NAME	☐ YES	☐ NO
PROTECTIVE POSTS	☐ YES	☐ NO	☐ ND*	PROTECTIVE POSTS	☐ YES	☐ NO
REMOVABLE POST IN PLACE	☐ YES	☐ NO	☐ ND*	REMOVABLE POST IN PLACE	☐ YES	☐ NO
WELL LOCK	☐ YES	☐ NO	☐ ND*	WELL LOCK	☐ YES	☐ NO
WELL DAMAGED	☐ YES	☐ NO	☐ ND*	WELL DAMAGED	☐ YES	☐ NO
WELL IS DRY	☐ YES	☐ NO	☐ ND*	WELL IS DRY	☐ YES	☐ NO
PARTED CASING	☐ YES	☐ NO	☐ ND*	PARTED CASING	☐ YES	☐ NO
BENTONITE IN WELL	☐ YES	☐ NO	☐ ND*	BENTONITE IN WELL	☐ YES	☐ NO
WELL SANDED IN	☐ YES	☐ NO	☐ ND*	WELL SANDED IN	☐ YES	☐ NO
COLLAPSED CASING	☐ YES	☐ NO	☐ ND*	COLLAPSED CASING	☐ YES	☐ NO
EQUIPMENT IN WELL	☐ YES	☐ NO	☐ ND*	EQUIPMENT IN WELL	☐ YES	☐ NO
DEBRIS IN WELL	☐ YES	☐ NO	☐ ND*	DEBRIS IN WELL	☐ YES	☐ NO

LAST PUMP INFORMATION				CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED		☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES	☐ NO	☐ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES	☐ NO	☐ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY				ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED				DATE ACTIVITY PERFORMED	
PUMP TYPE				PUMP TYPE	
PUMP MAKE				PUMP MAKE	
PUMP MODEL				PUMP MODEL	
PUMP INTAKE DEPTH (ft)				PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)				TUBING SIZE (in)	
TUBING MATERIAL				TUBING MATERIAL	
TUBING LENGTH (ft)				TUBING LENGTH (ft)	
TUBING CONNECTION				TUBING CONNECTION	

1/24/2003

ND* - Not Documented
BHI-EE-231 (03/20/02)

THIS WELL HAS BEEN DECOMM.
ECW
12/10/07

WELL ATTRIBUTES REPORT

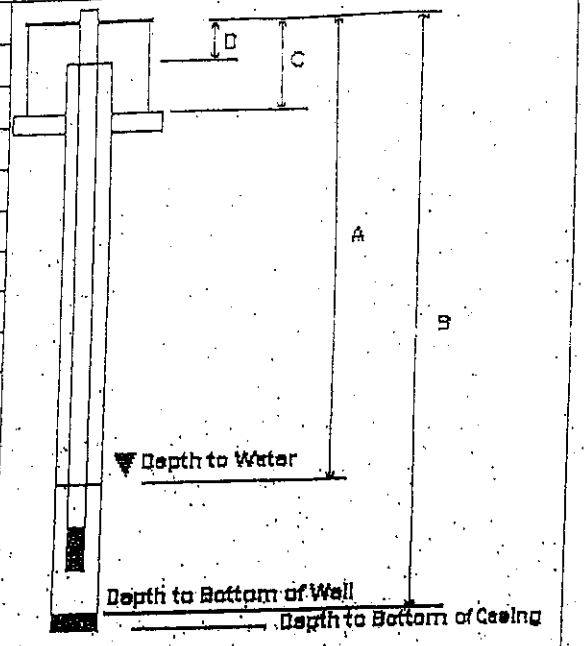
FIELD ORDER NO _____
WELL ID _____
WELL NAME _____
HOST WELL ID _____

DRILL DATE _____
CONST DATE _____
CONST DEPTH _____

LAST INSPECTION _____
NORTHING _____
EASTING _____
ELEVATION _____

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

1/24/2003

ND* - Not Commented
BHI-EE-23 (3/20/02)

SURVEY DATA REPORT

				Request No. 081-036
~ject No.	Title: Well Decommissioning: Well A8129 / 699-4-6			File No. 6AT11R28
Job No. 65400811.1225400 CA10	Prepared By Tim Johnson	Date 12/5/2007	Reviewer Larry Hanke	Page 1 of 2

DESCRIPTION OF WORK

Attempt to locate well A8129 at coordinates given.

Horizontal Coordinate System: WCS83S/91 (Meters)
Vertical Datum: NAVD88 (Meters)
Equipment Used: Trimble 5800 GPS Receiver.

DISTRIBUTION	SDR	PLOT	DWG
Survey File	OR		
E.C. Rafuse	1		
S.H. Worley	1		
B.J, Howard	1		
G.G. Kelty	1		
E.E. Oliver	1		

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Description
A8129	124584.23	588223.85	No well found. Set hub and lath. See photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 081-095			
Project No.: NA	Title: Well Decommissioning: Scan @ Well A8129 / 699-4-6		File No.: 600S-001
Job No.: 65400811.1225400 / CA10	Prepared by: S. Wray	Date: 12/7/07	Reviewer: Page 1 of 1

DESCRIPTION OF WORK:

Performed a ground scan (20' x 20' area) at staked well location A8129

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
S.H. Worley	1		
G.G. Kelty	1		
E.E. Oliver	1		

DATE OF FIELD INVESTIGATION: 12/05/07

Weather: Temp 40°F Wind 20 MPH
☐ Cloudy ☐ Clear ☒ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☒ Sandy ☐ Wet ☒ Dry

Depth of Investigation 5 feet

Equipment Used:

		Required Functional Checks Current/Completed
____	50/60 Hz detector (for energized lines)	☐
____	Radio Frequency Electromagnetics (RF)	☐
____	Ground Penetrating Radar (GPR)	☐
X	Other (identify) Magnetic Locator (Schonstedt)	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: None

Limits of Investigation: As noted

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Client is advised that subsurface location scanning is not 100% accurate. Client is herby notified that equipment limitations, soil /concrete conditions,utility congestion and other factors beyond Contractor control may cause subsurface objects to be missed or incorrectly located. Client assumes such risk. It is critical that Client delegate responsibility to its employees,staff and management for application of safety controls during excavation,cutting or drilling activities to prevent physical injury or property damage. Contractor shall not be liable for any injuries or damages arising from or caused by subsurface objects.

Note: No evidence of well casing detected in scan area.

699-4-6(48129) WELL DRAWN. 12/07/07

699-11-1E
A8204

WELL ATTRIBUTES REPORT

WELL ID	A8204	**NORTHING**	126792.734	**FIELD ORDER NO**	
WELL NAME	699-11-1E	**EASTING**	589585.394	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	136.229	**CONST DATE**	
GW OPERABLE UNIT	300-FF-5	**DRILL DATE**	12/31/1972	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE ☑ ND	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED ☑ ND	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A8204	**NORTHING**	126792.734	**FIELD ORDER NO**	
WELL NAME	699-11-1E	**EASTING**	589585.394	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	136.229	**CONST DATE**	
GW OPERABLE UNIT	300-FF-5	**DRILL DATE**	12/31/1972	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
699-11-1B		11490.00	443.50	58.0					
VW		-1060.00							
			12/72						B-14
699-11-1C		11150.00	426.60	58.0					
VW		-1010.00							
			12/72						B-15
699-11-1D		11000.00	443.00	59.0					DESTROYED
AB		-1410.00							
			12/72						B-19
699-11-1E		10720.00	443.50	59.0					
VW		-1090.00							
			12/72						B-22
699-11-1H									
VW									
									B-33
699-11-1J									
AB									DESTROYED
									B-34
699-11-1K									
VW									
			--/--						B-17
699-11-2		10690.00	445.30	58.0					DESTROYED
AB		-1830.00							
			12/72						B-21
699-11-3		10930.00	447.60	58.0					
VW		-2380.00							
			12/72						B-18
699-11-4		10950.00	448.90	93.0					
SW		-3800.00							
			12/74						1A-SP-9
699-11-5		11000.00		93.0					
SW		-4600.00							
			12/74						1D-SP-2
699-11-6		10530.00	461.90	115.0					
SW		-5700.00							
			12/74						1D-SP-1A

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

W[illegible]_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING
A8204	699-11-1E	UNKNOWN	NAD83	01/01/1801	CONVERTED	126792.734	589585.394

699-11-1D (B-19)
Location: N11000, W1410 11/28-5G7
Surface Elevation: 443.0
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1972, WNP-2 foundation test boring

Material (8)	Thickness	Depth
Loose, tan, silty fine sand w/scattered gray, becoming gray & fine to coarse below 5 ft.	12	12
Medium dense, gray, fine sand w/scattered gravel, gravel content increases below 45 ft.	36	48
Very dense, light brown-gray, silty sandy gravel	8	56
Very dense, tan, silty fine sand	3	59

699-11-1E (B-22)
Location: N10720, W1090 11/28-5G8
Surface Elevation: 432.5
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1972, WNP-2 foundation test boring

Material (8)	Thickness	Depth
Loose, brown, silty fine sand	5	5
Medium dense, gray, fine to medium sand, contains scattered gravel & becomes slightly silty below 10 ft.	22	27
Dense, gray, fine to medium sand w/scattered gravel		
Very dense, tan, silty sandy gravel	30	57
Very dense, tan, fine sand	?	59

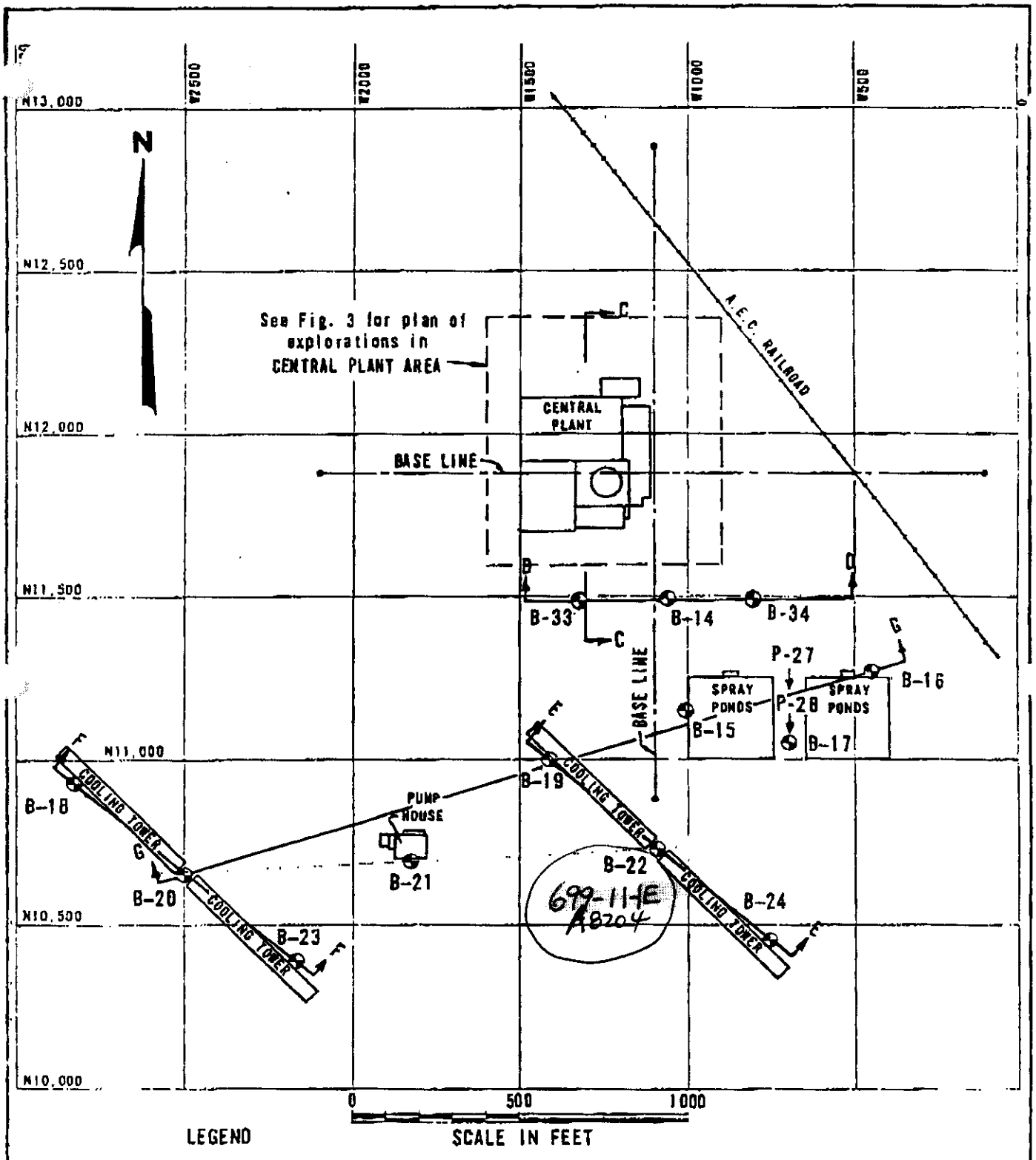

W2500
W2000
W1500
W1000
W500
N13,000
N12,500
N12,000
N11,500
N11,000
N10,500
N10,000
N
See Fig. 3 for plan of explorations in CENTRAL PLANT AREA
A.E.C. RAILROAD
CENTRAL PLANT
BASE LINE
B-33
B-14
B-34
P-27
P-28
B-16
B-15
B-17
SPRAY PONDS
SPRAY PONDS
B-19
B-18
B-20
B-21
B-22
B-23
B-24
COOLING TOWER
COOLING TOWER
COOLING TOWER
PUMP HOUSE
699-11-1E
A8204
0
500
1000
SCALE IN FEET
LEGEND
B-14 BORING LOCATION AND NUMBER OUTSIDE CENTRAL PLANT AREA
P-27 CONE PENETROMETER TEST
W.P.P.S.S.
HANFORD NO. 2 NUCLEAR PLANT
SITE PLAN
JUNE 30, 1972 W-2139-06
SHANNON & WILSON, INC.
SOIL MECHANICS & FOUNDATION ENGINEERS

FIG. 2

THIS WELL HAS BEEN DECOMM.
SEE SURVEY SCAN, DATA & PHOTO

WELL ATTRIBUTES REPORT

ECK 12/10/07

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8204			NORTHING	126792.734
WELL NAME	699-11-1E	CONST DATE		EASTING	589585.394
HOST WELL ID		CONST DEPTH		ELEVATION	136.229

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☑ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

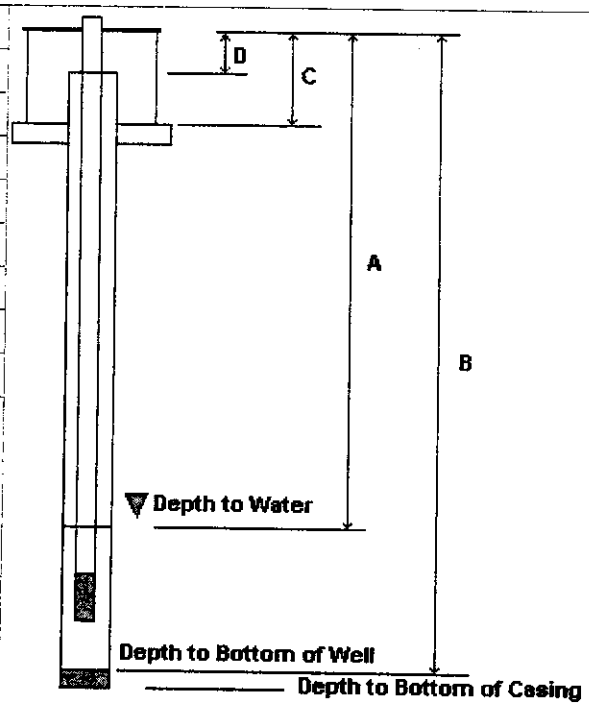
DECOMM.

WELL ATTRIBUTES REPORT

IELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8204			NORTHING	126792.734
WELL NAME	699-11-1E	CONST DATE		EASTING	589585.394
HOST WELL ID		CONST DEPTH		ELEVATION	136.229

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

SURVEY DATA REPORT				Request No. 081-036
Project No.	Title: Well Decommissioning: Well A8204 / 699-11-1E			File No. 6AT11R28
Job No. 65400811.1225400 CA10	Prepared By Tim Johnson	Date 12/5/2007	Reviewer Larry Henke	Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Attempt to locate Well A8204 at coordinates given. Horizontal Coordinate System: WCS83S/91 (Meters) Vertical Datum: NAVD88 (Meters) Equipment Used: Trimble 5800 GPS Receiver.	Survey File	OR		
	E.C. Rafuse	1		
	S.H. Worley	1		
	B.J, Howard	1		
	G.G. Kelty	1		
	E.E. Oliver	1		

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Description
A8204	126792.73	589585.39	No well found. Set hub and lath, see photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 081-095

Project No.:	Title:	File No. :
:A	Well Decommissioning: Scan @ Well A8204 / BP-11-1E	600S-001

Job No.:	Prepared by:	Date:	Reviewer:	Page
65400811.1225400 / CA10	S. Wray	12/7/07		1 of 1

DESCRIPTION OF WORK:

Performed a ground scan (20' x 20' area) at staked well location A8204

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
S.H. Worley	1		
G.G. Kelty	1		
E.E. Oliver	1		

DATE OF FIELD INVESTIGATION: 12/05/07

Weather: Temp 40°F Wind 20 MPH
☐ Cloudy ☐ Clear ☒ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☒ Sandy ☐ Wet ☒ Dry

Depth of Investigation 5 feet

Equipment Used:

		Required Functional Checks Current/Completed
____	50/60 Hz detector (for energized lines)	☐
____	Radio Frequency Electromagnetics (RF)	☐
____	Ground Penetrating Radar (GPR)	☐
X	Other (identify) Magnetic Locator (Schonstedt)	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: None

Limits of Investigation: As noted

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Client is advised that subsurface location scanning is not 100% accurate. Client is herby notified that equipment limitations, soil /concrete conditions,utility congestion and other factors beyond Contractor control may cause subsurface objects to be missed or incorrectly located. Client assumes such risk. It is critical that Client delegate responsibility to its employees,staff and management for application of safety controls during excavation,cutting or drilling activities to prevent physical injury or property damage. Contractor shall not be liable for any injuries or damages arising from or caused by subsurface objects.

Note: No evidence of well casing detected in scan area.

699-11-1E (A8204) 400 AREA FFTF 12/07/01

HWIS Interface - Well History Information - Drilling

W[illegible]_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_[illegible]
A8204	699-11-1E	12/31/1972		59	ft			

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A8204, Well Name: 699-11-1E					
A8204	– No information available –				

Message

Kelty, George

From: Howard, Bonnie J
Sent: Tuesday, January 18, 2005 10:45 AM
To: Kelty, George
Cc: Davis, Jerry D; Biggerstaff, Dick L; Howard, Bonnie J
Subject: Please change status !!!!!!!!!!!!!!!!!!!!WPPSS should be ENW Well owner.xls
Attachments: WPPSS should be ENW Well owner.xls

Please change the well owner from WPPSS to ENW

Well ID	Well Name
A8102	499-S1-7C
A8113	499-S1-8H
A8167	699-10-0
A8168	699-10-1
A8169	699-10-2
A8170	699-10-3A
A8171	699-10-3B
A8172	699-10-3C
A8173	699-10-3D
A8175	699-10-3F
A8176	699-10-4
A8184	699-10-E3C
A8185	699-10-E4A
A8187	699-10-E4C
A8191	699-10-E4G
A8194	699-10-E5A
A8196	699-10-E6
A8198	699-11-0A
A8200	699-11-1A
A8201	699-11-1B
A8202	699-11-1C
A8204	699-11-1E
A8205	699-11-1H
A8207	699-11-1K
A8209	699-11-3
A8222	699-11-E4A
A8247	699-12-2B
A8256	699-12-E3
A8257	699-12-E4
A8274	699-13-E2C
A8279	699-13-E3D
A8283	699-13-E3H
A8284	699-13-E3J
A8285	699-13-E4A
A8286	699-13-E4B
A8303	699-14-E2A
A8304	699-14-E2B
A8310	699-14-E4
A8336	699-15-E4A
A8337	699-15-E4B
A8339	699-16-5
A8347	699-16-E3A
A8129	699-4-6
A8144	699-6-E16
A8151	699-8-5
A8154	699-8-E1
A8158	699-8-E3B
A8160	699-9-3
A8161	699-9-4
A8162	699-9-E1
A8126	699-9-E4A

Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A
A8332	699-15-E2C
A8334	699-15-E3B
A8335	699-15-E3C
A8349	699-16-E4A
A8128	699-4-5
A8133	699-5-2
A8136	699-5-E6
A8139	699-6-2B
A8147	699-7-E1A
B2843	B2843
B2845	B2845
B2894	B2894
B2856	HWDS23
B2859	HWDS54
A8260	699-13-1A
A8261	699-13-1B
A8262	699-13-1C

699-11-E4A
A8222

WELL ATTRIBUTES REPORT

WELL ID	A8222	**NORTHING**	126858.75	**FIELD ORDER NO**	
WELL NAME	699-11-E4A	**EASTING**	591095.267	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	139.426	**CONST DATE**	
GW OPERABLE UNIT	300-FF-5	**DRILL DATE**	12/31/1974	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A8222	**NORTHING**	126858.75	**FIELD ORDER NO**	
WELL NAME	699-11-E4A	**EASTING**	591095.267	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	139.426	**CONST DATE**	
GW OPERABLE UNIT	300-FF-5	**DRILL DATE**	12/31/1974	**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-11-E4A SW		10947.00 3862.00	454.00 12/74	78.0					DB-2
699-11-E4B SW									DB-5
699-11-E4C AB									DESTROYED DB-14
699-11-E4D AB									DESTROYED DB-16
699-11-E4E AB		10550.00 3500.00	440.50 12/74	656.0					DESTROYED BH-140, DB-1
699-11-E3A AB		10580.00 3478.00	439.60 12/74	123.0					DESTROYED DB-13
699-11-E3B AB		10521.00 3478.00	439.70 12/74	301.0 76.0					DESTROYED DB-13A
699-11-E3C AB		10735.00 3435.00	442.10 12/74	300.0 77.0					DESTROYED DB-15
699-11-E3D AB		10558.00 3425.00	12/74	300.0					DESTROYED DB-12
699-11-0A GW		11184.00 -191.00							CONS#3WPPSS2
699-11-0B AB		11270.00 -450.00	420.60 12/72	60.0					DESTROYED B-16
699-11-1A GW		11515.00 -648.00							CONS#2WPPSS2

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

V_ _ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING
A8222	699-11-E4A	UNKNOWN	NAD83	01/01/1801	CONVERTED	126858.75	591095.267

699-11-E5 (1C-SP-7)
Location: ∿N11000, E4700 11/28-4G1
Surface Elevation: 458.54
Air rotary, logged by Fugro for WPPSS, 1974, shothole boring

Material (8)	Thickness	Depth
Sand; variegated gray & white, fine to medium sand, predominantly basalt grains	75	75
Sand & gravel; gray, fine to coarse sands, predominantly basalt grains	25	100
Sand & gravel; brown, fine to coarse sand, some silt, fine gravels	21	121

699-11-E4A (DB-2)
Location: N10947, E3862 11/28-4F1
Surface Elevation: 454.0
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1974, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Silty sand, loose, light brown, fine	6	6
Sand, loose, gray, fine to coarse, clean to silty, scattered fine gravel to gravelly	5	11
Sand, loose, gray, fine to coarse, clean to silty, scattered fine gravel to gravelly medium dense to very dense	9	20
Gravelly sand	5	25
Sand, same as interval 11-20 ft	48	73
Gravelly sand, dense, gray, fine to coarse, slightly silty	3	76
Sandy gravel, very dense, light brown, fine to coarse, clean	2	78

AMENDMENT 9
AUGUST 1974

699-11-E4A
A8222

WPPSS
NUCLEAR PROJECT NO. 1

PLAN OF EXPLORATIONS

PLANT SITE

JULY 1974 W-2638-01

SHANNON & WILSON INC.

FIG. 2P 1

THIS WELL HAS BEEN DECOMM.
SEE SURVEY DATA, SCAN & PHOTOS
ELC 12/10/07

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8222			NORTHING	126858.75
WELL NAME	699-11-E4A	CONST DATE		EASTING	591095.267
HOST WELL ID		CONST DEPTH		ELEVATION	139.426

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
OLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
QUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
UBING LENGTH (ft)		TUBING LENGTH (ft)	
UBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

7/28/2006

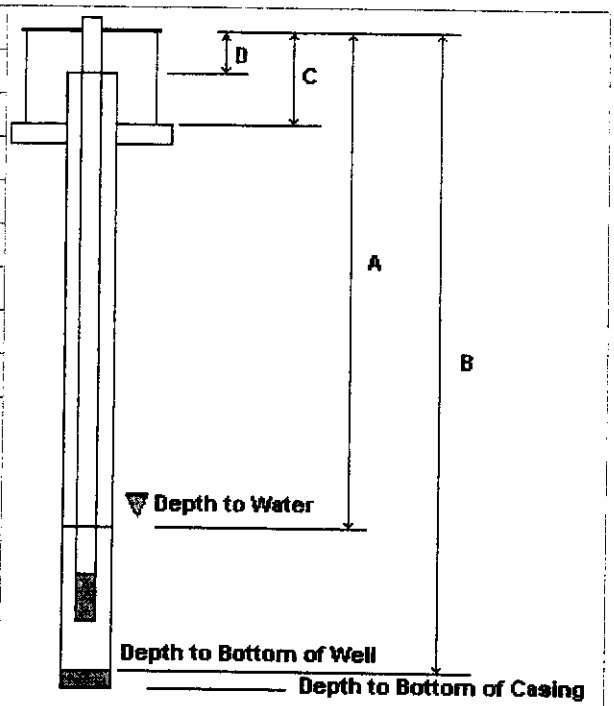
THIS WELL HAS BEEN DECOMM

WELL ATTRIBUTES REPORT

IELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8222			NORTHING	126858.75
WELL NAME	699-11-E4A	CONST DATE		EASTING	591095.267
HOST WELL ID		CONST DEPTH		ELEVATION	139.426

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

SURVEY DATA REPORT

ject No.	Title: Well Decommissioning: Well A8222 / 699-41-E4A			Request No. 081-036
				File No. 6AT11R28
Job No. 65400811.1225400 CA10	Prepared By Tim Johnson	Date 12/5/2007	Reviewer Larry Fenske	Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Attempt to locate Well A8222 at coordinates given. Horizontal Coordinate System: WCS83S/91 (Meters) Vertical Datum: NAVD88 (Meters) Equipment Used: Trimble 5800 GPS Receiver.	Survey File	OR		
	E.C. Rafuse	1		
	S.H. Worley	1		
	B.J, Howard	1		
	G.G. Kelty	1		
	E.E. Oliver	1		

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Description
A8222	126858.75	591095.27	No well found. Set hub and lath, see photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 081-095			
Project No.: NA	Title: Well Decommissioning: Scan for Well A8222 / 699-[redacted]W1-E4A		File No. : 600S-001
Job No.: 65400811.1225400 / CA10	Prepared by: S. Wray	Date: 12/5/07	Reviewer: Larry Hanks — Page 1 of 1

DESCRIPTION OF WORK:

Performed a ground scan (20' x 20' area) at staked well location A8222

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
S.H. Worley	1		
G.G. Kelty	1		
E.E. Oliver	1		

DATE OF FIELD INVESTIGATION: 12/03/07

Weather: Temp 40°F Wind 20 MPH ☐ Cloudy ☐ Clear ☒ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☐ Dry

Depth of Investigation 5 feet

Equipment Used:	Required Functional Checks Current/Completed
____ 50/60 Hz detector (for energized lines)	☐
____ Radio Frequency Electromagnetics (RF)	☐
____ Ground Penetrating Radar (GPR)	☐
x Other (identify) Magnetic Locator (Schonstedt)	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: None

Limits of Investigation: As noted.

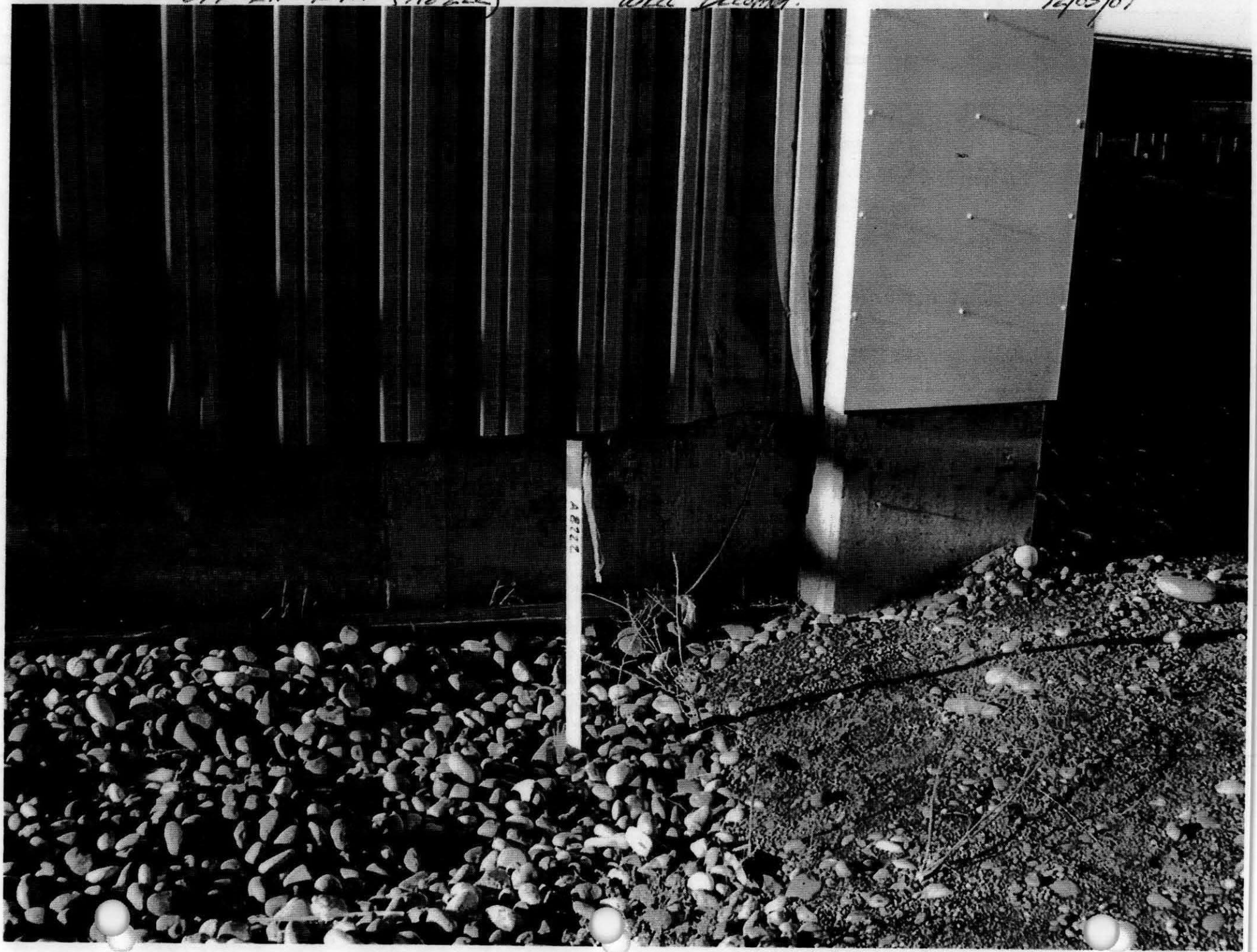
EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Client is advised that subsurface location scanning is not 100% accurate. Client is herby notified that equipment limitations, soil /concrete conditions,utility congestion and other factors beyond Contractor control may cause subsurface objects to be missed or incorrectly located. Client assumes such risk. It is critical that Client delegate responsibility to its employees,staff and management for application of safety controls during excavation,cutting or drilling activities to prevent physical injury or property damage. Contractor shall not be liable for any injuries or damages arising from or caused by subsurface objects.

Note: No evidence of well casing detected in scan area.

699-E11-E4A (A8222) WELL DELOMY. 12/03/01



HWIS Interface - Well History Information - Drilling

[illegible]_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_
A8222	699-11-E4A	12/31/1974		78	ft			

Message

Kelty, George

From: Howard, Bonnie J
Sent: Tuesday, January 18, 2005 10:45 AM
To: Kelty, George
Cc: Davis, Jerry D; Biggerstaff, Dick L; Howard, Bonnie J
Subject: Please change status !!!!!!!!!!!!!!!!!!!!WPPSS should be ENW Well owner.xls
Attachments: WPPSS should be ENW Well owner.xls

Please change the well owner from WPPSS to ENW

Well ID	Well Name
A8102	499-S1-7C
A8113	499-S1-8H
A8167	699-10-0
A8168	699-10-1
A8169	699-10-2
A8170	699-10-3A
A8171	699-10-3B
A8172	699-10-3C
A8173	699-10-3D
A8175	699-10-3F
A8176	699-10-4
A8184	699-10-E3C
A8185	699-10-E4A
A8187	699-10-E4C
A8191	699-10-E4G
A8194	699-10-E5A
A8196	699-10-E6
A8198	699-11-0A
A8200	699-11-1A
A8201	699-11-1B
A8202	699-11-1C
A8204	699-11-1E
A8205	699-11-1H
A8207	699-11-1K
A8209	699-11-3
A8222	699-11-E4A
A8247	699-12-2B
A8256	699-12-E3
A8257	699-12-E4
A8274	699-13-E2C
A8279	699-13-E3D
A8283	699-13-E3H
A8284	699-13-E3J
A8285	699-13-E4A
A8286	699-13-E4B
A8303	699-14-E2A
A8304	699-14-E2B
A8310	699-14-E4
A8336	699-15-E4A
A8337	699-15-E4B
A8339	699-16-5
A8347	699-16-E3A
A8129	699-4-6
A8144	699-6-E16
A8151	699-8-5
A8154	699-8-E1
A8158	699-8-E3B
A8160	699-8-3
A8161	699-8-4
A8162	699-9-E1
A8126	699-9-E4A

Well ID	Well Name
A8163	699-9-E4B
A8164	699-9-E5A
A8165	699-9-E5B
A8166	699-9-E5C
B2840	B2840
B2841	B2841
B2842	B2842
B2871	B2871
B2882	B2882
B2883	B2883
B2886	B2886
A8248	699-12-3
A8259	699-13-1
A8266	699-13-5
A8289	699-13-E16
A8293	699-14-5
A8300	699-14-E1A
A8316	699-15-3
A8317	699-15-4
A8330	699-15-E2A
A8332	699-15-E2C
A8334	699-15-E3B
A8335	699-15-E3C
A8349	699-16-E4A
A8128	699-4-5
A8133	699-5-2
A8136	699-5-E6
A8139	699-6-2B
A8147	699-7-E1A
B2843	B2843
B2845	B2845
B2894	B2894
B2856	HWDS23
B2859	HWDS54
A8260	699-13-1A
A8261	699-13-1B
A8262	699-13-1C

699-11-E4B
A8223

WELL ATTRIBUTES REPORT

WELL ID	A8223	**NORTHING**	126762.01	**FIELD ORDER NO**	
WELL NAME	699-11-E4B	**EASTING**	591254.347	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	140.28	**CONST DATE**	
GW OPERABLE UNIT	300-FF-5	**DRILL DATE**	12/31/1972	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	A8223	**NORTHING**	126762.01	**FIELD ORDER NO**	
WELL NAME	699-11-E4B	**EASTING**	591254.347	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**	140.28	**CONST DATE**	
GW OPERABLE UNIT	300-FF-5	**DRILL DATE**	12/31/1972	**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	DIAM	TOP	BOT	COMMENTS / PREVIOUS WELL NAMES
699-11-E4A		10947.00	454.00	78.0					
SW		3862.00							
			12/74						DB-2
699-11-E4B		10621.00	456.80	90.0					
SW		4390.00							
			12/72						DB-5
699-11-E4C									DESTROYED
AB									
									DB-14
699-11-E4D									DESTROYED
AB									
									DB-16
699-11-E4E									DESTROYED
AB									
									BH-140, DB-1
699-11-E3A		10580.00	439.60	123.0					DESTROYED
AB		3478.00							
			12/74						DB-13
699-11-E3B		10521.00	439.70	301.0					DESTROYED
AB		3478.00							
			12/74	76.0					DB-13A
699-11-E3C		10735.00	442.10	300.0					DESTROYED
AB		3435.00							
			12/74	77.0					DB-15
699-11-E3D		10558.00		300.0					DESTROYED
AB		3425.00							
			12/74						DB-12
699-11-0A		11184.00							
GW		-191.00							
									CONS#3WPPSS2
699-11-0B		11270.00	420.60	60.0					DESTROYED
AB		-450.00							
			12/72						B-16
699-11-1A		11515.00							
GW		-648.00							
									CONS#2WPPSS2

Hanford Wells
PNL-8800 UC-903
M. A. Chamness & J. K. Merz
August 1993
Prepared for U. S. Dept of Energy under
Contract DE-AC06-76RLO 1830
Pacific NW Lab by Battelle Memorial Institute

HWIS Interface - Survey Information - Horizontal

W[illegible]_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING
A8223	699-11-E4B	UNKNOWN	NAD83	01/01/1801	CONVERTED	126762.01	591254.347

699-11-E4B (DB-5)
Location: N10621, E4390 11/28-4F2
Surface Elevation: 456.8
Hollow stem auger, logged by Shannon & Wilson for WPPSS, 1972, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Silty sand, loose, brown, fine to medium	6	6
Sand, loose to medium dense, gray to gray-brown, fine to coarse, clean to slightly silty, scattered fine gravel	9	15
Sand, medium to very dense, gray to gray-brown, fine to coarse, clean to slightly silty, scattered fine gravel	56	71
Sandy gravel, medium dense to very dense, gray, fine to coarse, clean	14	85
Sandy gravel, very dense, light gray, fine to coarse, clean	5	90

699-11-E4C (DB-14)
Location: N10540, E3608 11/28-4F3
Surface Elevation: 443.3
Hollow stem auger (to 64 ft.) & air rotary, logged by Shannon & Wilson for WPPSS, 1972, WNP-1 foundation test boring

Material (8)	Thickness	Depth
Silty sand, loose, light tan, fine	3	3
Sand, loose, fine to coarse, clean to slightly silty, scattered fine to coarse gravel	2	5
Sand, medium to very dense, fine to coarse, clean to slightly silty, scattered fine to coarse gravel	58	63
Sandy gravel, very dense, light brown, fine to coarse, clean to slightly silty, scattered to numerous cobbles	47	110
No record	190	300

AMENDMENT 9
AUGUST 1974

FIG. 2P 1

WPPSS Nuclear Project No. 2
Final Safety Analysis Report, Vol. 4
July 1982
Amendment No. 26
REP-070182

THIS WELL HAS BEEN DECOMMISSIONED. SEE SURVEY SCAN & DATA REPORT

WELL ATTRIBUTES REPORT

ECW 12/10/07

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8223			NORTHING	126762.01
WELL NAME	699-11-E4B	CONST DATE		EASTING	591254.347
HOST WELL ID		CONST DEPTH		ELEVATION	140.28

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND*	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR ☑ ND*	SURFACE EROSION	☐ MAJOR ☐ NONE ☐ MINOR

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☑ ND* ☐ REMOVED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☑ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY	ND*	ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE	ND*	PUMP TYPE	
PUMP MAKE	ND*	PUMP MAKE	
PUMP MODEL	ND*	PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL	ND*	TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION	ND*	TUBING CONNECTION	

ND* - Not Documented

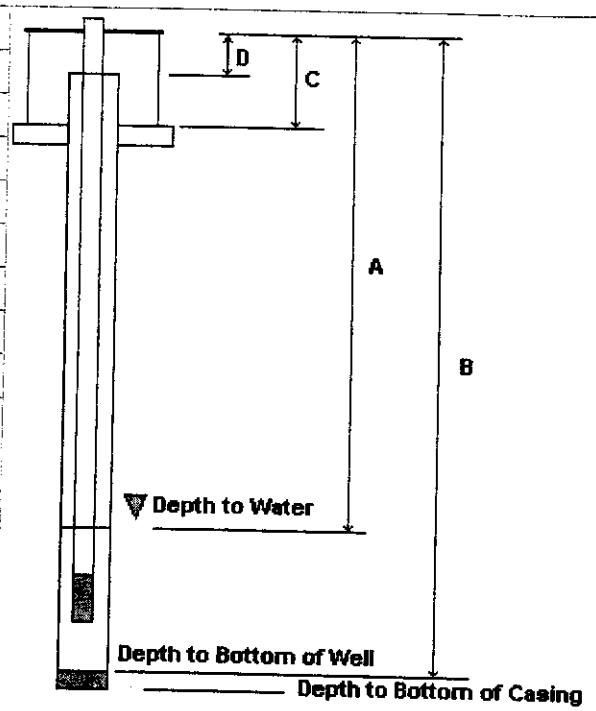
THIS WELL HAS BEEN DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	A8223			NORTHING	126762.01
WELL NAME	699-11-E4B	CONST DATE		EASTING	591254.347
HOST WELL ID		CONST DEPTH		ELEVATION	140.28

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented

7/28/2006

SURVEY DATA REPORT				Request No. 081-036
Project No.	Title: Well Decommissioning: Well A8223 1699-11-E4B			File No. 6AT11R28
Job No. 65400811.1225400 CA10	Prepared By Tim Johnson	Date 12/5/2007	Reviewer Larry Hanks	Page 1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Attempt to locate well A8223 at coordinates given.	Survey File	OR		
	E.C. Rafuse	1		
	S.H. Worley	1		
Horizontal Coordinate System: WCS83S/91 (Meters)	B.J, Howard	1		
Vertical Datum: NAVD88 (Meters)	G.G. Kelty	1		
Equipment Used: Trimble 5800 GPS Receiver.	E.E. Oliver	1		

SURVEY RESULTS AND COMMENTS

Name	Northing	Easting	Description
A8223	126762.01	591254.35	No well found. Set hub and lath. See Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

SCAN DATA REPORT

Request No.: 081-095

Project No.:	Title:	File No. :
NA	Well Decommissioning: Scan for Well A8223 / 699-11-E4B	600S-001

Job No.:	Prepared by:	Date:	Reviewer:	Page
65400811.1225400 / CA10	S. Wray	12/5/07	Larry Hanks	1 of 1

DESCRIPTION OF WORK:

Performed a ground scan (20' x 20' area) at staked well location A8223

DISTRIBUTION	SDR	SKETCH	DWG
Survey File	OR	OR	
B.J. Howard	1		
E.C. Rafuse	1		
S.H. Worley	1		
G.G. Kelty	1		
E.E. Oliver	1		

DATE OF FIELD INVESTIGATION: 12/03/07

Weather: Temp 40°F Wind 20 MPH
☐ Cloudy ☐ Clear ☒ P. Cloudy ☐ Fog

Soil Conditions: ☒ Rocky ☐ Sandy ☐ Wet ☐ Dry

Depth of Investigation 5 feet

Equipment Used:	Required Functional Checks Current/Completed
____ 50/60 Hz detector (for energized lines)	☐
____ Radio Frequency Electromagnetics (RF)	☐
____ Ground Penetrating Radar (GPR)	☐
x Other (identify) Magnetic Locator (Schonstedt)	☒

GPR Antenna(s) Used: ☐ 1000 MHz ☐ 500 MHz ☐ 400 MHz ☐ 300 MHz

Documentation Provided: None

Limits of Investigation: As noted.

EQUIPMENT LIMITATIONS:

1. Objects made of concrete, clay pipe, PVC pipe, and fiberglass pipe are generally not detectable.
2. The transducers have a horizontal scanning limit to existing structures: the 1000 MHz is within 6 in. of an existing structure; the 500 MHz is within 1 ft. of an existing structure; the 400 MHz is within 1 ft. of an existing structure; and the 300 MHz is within 3 ft. of an existing structure.

Discussion of Findings: Client is advised that subsurface location scanning is not 100% accurate. Client is herby notified that equipment limitations, soil /concrete conditions,utility congestion and other factors beyond Contractor control may cause subsurface objects to be missed or incorrectly located. Client assumes such risk. It is critical that Client delegate responsibility to its employees,staff and management for application of safety controls during excavation,cutting or drilling activities to prevent physical injury or property damage. Contractor shall not be liable for any injuries or damages arising from or caused by subsurface objects.

Note: No evidence of well casing detected in scan area.

12/05/07 699-11-E4B (A8223) WELL RECONN.

HWIS Interface - Well History Information - Drilling

W[illegible]_ID	WELL_NAME	DRILL_DATE	START_CARD_NUMBER	DRILL_DEPTH	DRILL_DEPTH_UNITS	COMMENTS	SOURCE	DATE_(
A8223	699-11-E4B	12/31/1972		90	ft			

699-17-26M
C3787

WELL ATTRIBUTES REPORT

WELL ID	C3787	**NORTHING**	128810.593	**FIELD ORDER NO**	
WELL NAME	699-17-26M	**EASTING**	582058.747	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

WELL ATTRIBUTES REPORT

WELL ID	C3787	**NORTHING**	128810.593	**FIELD ORDER NO**	
WELL NAME	699-17-26M	**EASTING**	582058.747	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER
C3787	699-17-26M	BHI	NAD83(91)	09/24/2001	GPS	128810.593	582058.747	m	P

699-17-26M (E-14)
Location: ~N17444, W25770 12/27-33A8
Surface Elevation: 516.4
Hollow stem auger, drilled by Carman Water Wells for NESCO, 1981, foundation test boring

Material (38)	Thickness	Depth
Loose, dark-yellowish-brown, silty fine to medium sand . . .	4	4
Medium dense to very dense, varicolored to olive-black, clean, fine to medium sand . .	19	23
Very dense, varicolored to olive-gray, silty fine sand . .	5	28
Very dense, varicolored to olive-black, clean, fine to medium sand	40	68
Very dense, varicolored to olive-gray, slightly silty fine to medium sand	↓	↓
Very dense, varicolored to olive-gray, clean, gravelly fine to medium sand	15	83
Very dense, varicolored to olive-black, clean, sandy fine to coarse gravel	2	85

SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID C3787
WELL NAME 699-17-26M
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128810.59
EASTING 582058.75
ELEVATION

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION		
WELL PAD	☐ YES	☐ NO	☐ ND*	WELL PAD	☐ YES	☐ NO
BRASS SURVEY MARKER	☐ YES	☐ NO	☐ ND*	BRASS SURVEY MARKER	☐ YES	☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES	☐ NO	☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES	☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES	☐ NO	☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES	☐ NO
WELL LABELED WITH WELL ID	☐ YES	☐ NO	☐ ND*	WELL LABELED WITH WELL ID	☐ YES	☐ NO
WELL LABELED WITH WELL NAME	☐ YES	☐ NO	☐ ND*	WELL LABELED WITH WELL NAME	☐ YES	☐ NO
PROTECTIVE POSTS	☐ YES	☐ NO	☐ ND*	PROTECTIVE POSTS	☐ YES	☐ NO
REMOVABLE POST IN PLACE	☐ YES	☐ NO	☐ ND*	REMOVABLE POST IN PLACE	☐ YES	☐ NO
WELL LOCK	☐ YES	☐ NO	☐ ND*	WELL LOCK	☐ YES	☐ NO
WELL DAMAGED	☐ YES	☐ NO	☐ ND*	WELL DAMAGED	☐ YES	☐ NO
WELL IS DRY	☐ YES	☐ NO	☐ ND*	WELL IS DRY	☐ YES	☐ NO
PARTED CASING	☐ YES	☐ NO	☐ ND*	PARTED CASING	☐ YES	☐ NO
BENTONITE IN WELL	☐ YES	☐ NO	☐ ND*	BENTONITE IN WELL	☐ YES	☐ NO
WELL SANDED IN	☐ YES	☐ NO	☐ ND*	WELL SANDED IN	☐ YES	☐ NO
COLLAPSED CASING	☐ YES	☐ NO	☐ ND*	COLLAPSED CASING	☐ YES	☐ NO
EQUIPMENT IN WELL	☐ YES	☐ NO	☐ ND*	EQUIPMENT IN WELL	☐ YES	☐ NO
DEBRIS IN WELL	☐ YES	☐ NO	☐ ND*	DEBRIS IN WELL	☐ YES	☐ NO
LAST PUMP INFORMATION				**CURRENT PUMP INFORMATION**		
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED		☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED	
PUMP TESTED	☐ YES	☐ NO	☐ ND*	PUMP TESTED	☐ YES	☐ NO
NEW PUMP	☐ YES	☐ NO	☐ ND*	NEW PUMP	☐ YES	☐ NO
ACTIVITY PEFORMED BY				ACTIVITY PEFORMED BY		
DATE ACTIVITY PERFORMED				DATE ACTIVITY PERFORMED		
PUMP TYPE				PUMP TYPE		
PUMP MAKE				PUMP MAKE		
PUMP MODEL				PUMP MODEL		
PUMP INTAKE DEPTH (ft)				PUMP INTAKE DEPTH (ft)		
TUBING SIZE (in)				TUBING SIZE (in)		
TUBING MATERIAL				TUBING MATERIAL		
TUBING LENGTH (ft)				TUBING LENGTH (ft)		
TUBING CONNECTION				TUBING CONNECTION		

1/24/2003

ND* - Not Documented
BR.-EE-231 (02/20/02)

SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

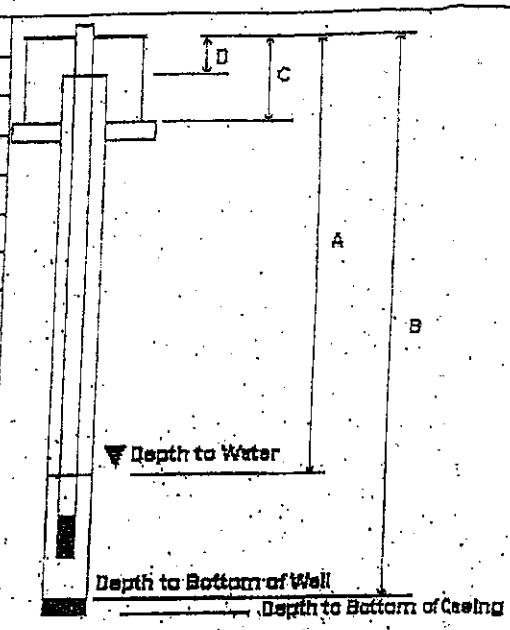
FIELD ORDER NO
WELL ID C3787
WELL NAME 699-17-36M
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128810.59
EASTING 582058.25
ELEVATION

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented
BHI-EE-231 (01/20/02)

1/24/2003

SURVEY DATA REPORT

Request No. 072-0177

Project No.	Title:	File No.
N/A	Survey Decommissiong Wells C3787/ 699-17-26M	6T11-R27

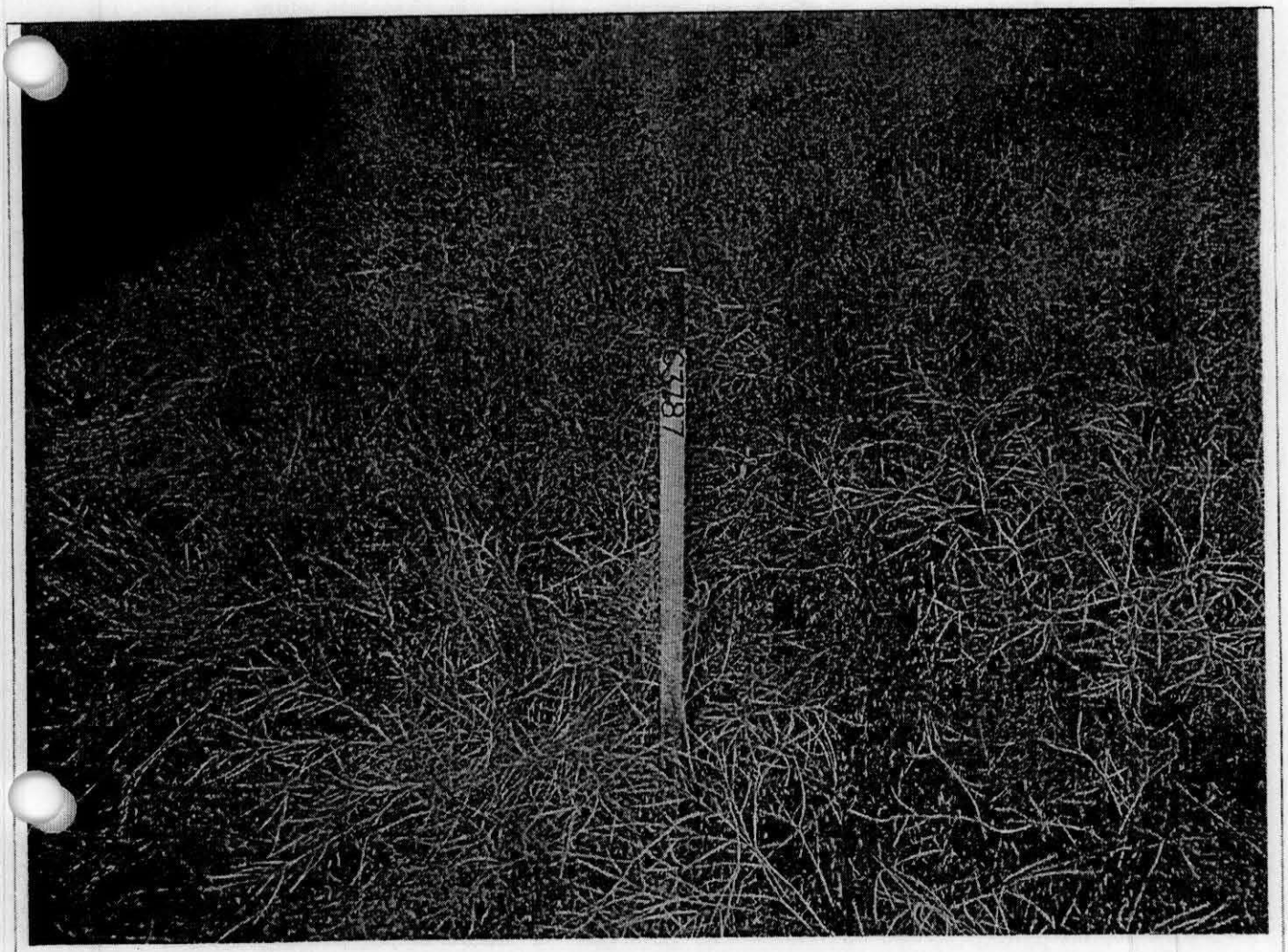
Job No.	Prepared By	Date	Reviewer	Page
65400811.122540	Tim Johnson	3/13/2007	Larry Hanks	1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Survey well location for C3787. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
	B. Howard	1		
Coordinate System: US State Plane 1983	C. Wright	1		
Zone: Washington South 4602	G. Kelty	1		
Project Datum: NAD 1983 (Conus)	E. Rafuse	1		
Vertical Datum: NAVD 1988				
Geoid Model: Geoid03				

SURVEY RESULTS AND COMMENTS

Well ID# C3787 was not found at listed coordinates: N128810.59 E582058.75
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.



699-17-26M (C3787) well DECOMM. NEAR [illegible]EGD Facility, Looking East 05/02/07

☒ Survey
☐ Scan

SURVEY REQUEST

Request No: 0 7 2 - 0 1 7 7

Project No.	Title	File No.
N/A	Survey Decom. Wells (listed below)	6 T 1 1 - R 2 7

Job No	Requested By	Phone	Date Required
6540081L.122540	Ed Rafuse	373-5491/539-3859	ASAP

Field Contact	Organization	Phone	Location
Ed Rafuse	FII	373-5491/539-3859	MO413/137/200E

REFERENCE DOCUMENTS
See attached request and well location map

GRID SYSTEM
☐ Lambert
☐ Plant
☐ Area
☐ Geographic

DISTRIBUTION
Survey File
E. Rafuse
B Howard
J. Davis
G. Kelly

LOCATION OF WORK
Adjacent to LIGO facility.

WORK CONDITIONS
☐ SWP
☐ Mask
☐ Operator
☐ Exclusion Entry

SPECIAL INSTRUCTIONS

ITEM	DESCRIPTION OF WORK
1	Survey Decom Well Locations: C3792, C3793, C3974, A8361, C3788, C3789, C3787, C3790, C3791, A8365, A8383, A8394
2	B8057, 699-18-21 (see attached map).

Prepared By	Date	Reviewed By
JMS	02/08/07	

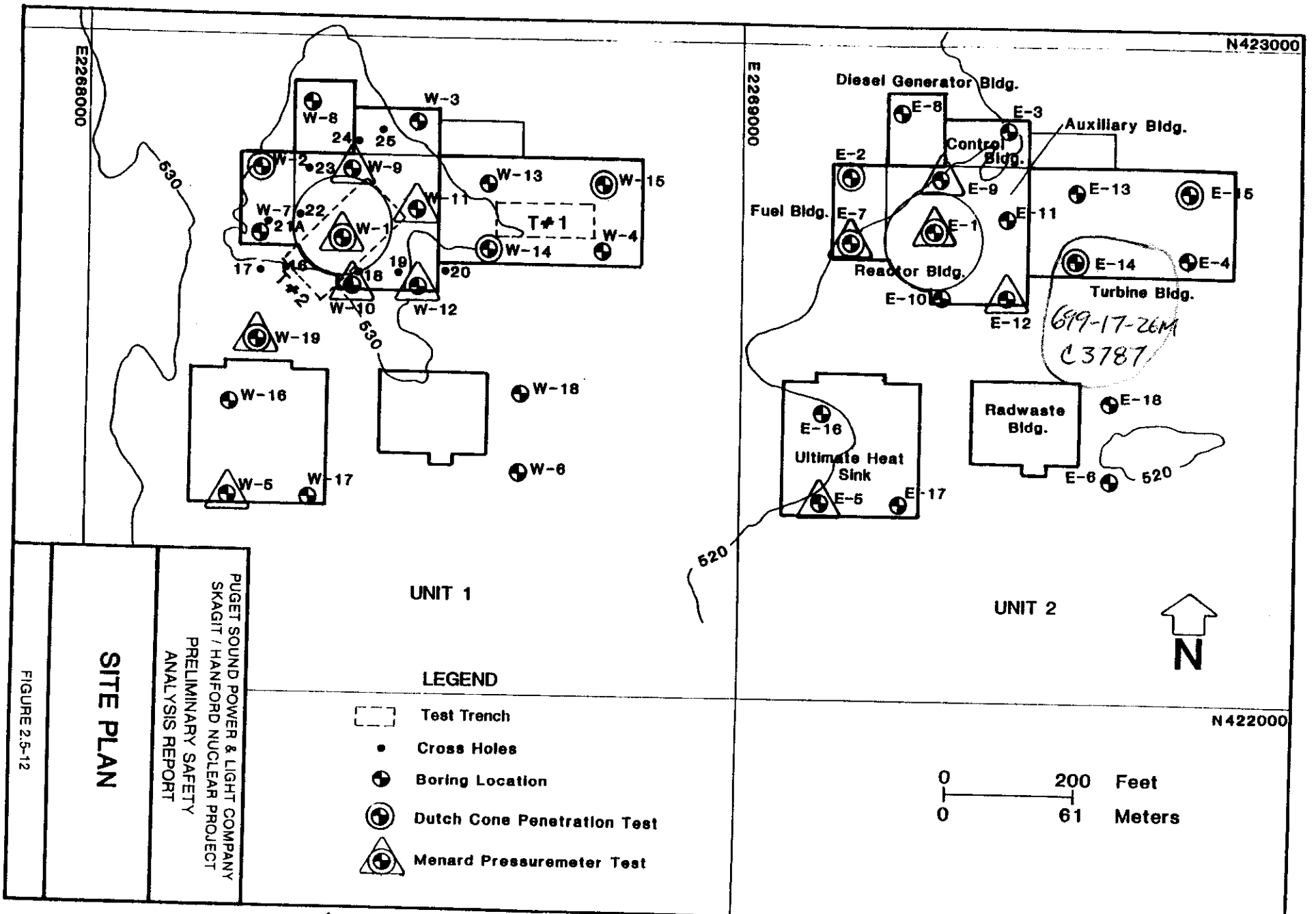
NOTES/COMMENTS

Lead Surveyor/Crew

Date:

Signature:

E-NW-240 (DRAFT)



PUGET SOUND POWER & LIGHT COMPANY
SKAGIT / HANFORD NUCLEAR PROJECT
PRELIMINARY SAFETY ANALYSIS REPORT

SITE PLAN

FIGURE 2.5-12

699-17-26M
C3787

All within NE¼ Section 33 T12N R27E

699-17-26Q
C3788

WELL ATTRIBUTES REPORT

WELL ID	C3788	**NORTHING**	128703.85	**FIELD ORDER NO**	
WELL NAME	699-17-26Q	**EASTING**	581976.56	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	C3788	**NORTHING**	128703.85	**FIELD ORDER NO**	
WELL NAME	699-17-26Q	**EASTING**	581976.56	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

ND* - Not Documented

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIEF
C3788	699-17-26Q	BHI	NAD83(91)	09/24/2001	GPS	128703.85	581976.56	m	P

699-17-260 (E-17)
Location: ~N17065, W26041 12/27-33A10
Surface Elevation: 515.6
Hollow stem auger, drilled by Carman Water Wells for NESCO, 1981, foundation test boring

Material (38)	Thickness	Depth
Loose, dark-yellowish-brown, slightly silty fine to medium sand	5	5
Medium dense, varicolored to olive-gray, silty fine sand . .	5	10
Medium dense to dense, varicolored to olive-black, clean, fine to coarse sand w/scattered gravel	13	23
Very dense, varicolored to olive-gray, slightly silty fine sand	10	33
Very dense, varicolored to olive-gray, clean, fine to medium sand w/scattered gravel	35	68
Very dense, varicolored to olive-gray, slightly silty fine sand	↓	↓
Very dense, varicolored to olive-black, clean, gravelly fine to coarse sand	24	92

SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID 63788
WELL NAME 699-17-269
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128703.85
EASTING 581971.56
ELEVATION

LAST INSPECTION INFORMATION				CURRENT INSPECTION INFORMATION		
WELL PAD	☐ YES	☐ NO	☐ ND*	WELL PAD	☐ YES	☐ NO
BRASS SURVEY MARKER	☐ YES	☐ NO	☐ ND*	BRASS SURVEY MARKER	☐ YES	☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES	☐ NO	☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES	☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES	☐ NO	☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES	☐ NO
WELL LABELED WITH WELL ID	☐ YES	☐ NO	☐ ND*	WELL LABELED WITH WELL ID	☐ YES	☐ NO
WELL LABELED WITH WELL NAME	☐ YES	☐ NO	☐ ND*	WELL LABELED WITH WELL NAME	☐ YES	☐ NO
PROTECTIVE POSTS	☐ YES	☐ NO	☐ ND*	PROTECTIVE POSTS	☐ YES	☐ NO
REMOVABLE POST IN PLACE	☐ YES	☐ NO	☐ ND*	REMOVABLE POST IN PLACE	☐ YES	☐ NO
WELL LOCK	☐ YES	☐ NO	☐ ND*	WELL LOCK	☐ YES	☐ NO
WELL DAMAGED	☐ YES	☐ NO	☐ ND*	WELL DAMAGED	☐ YES	☐ NO
WELL IS DRY	☐ YES	☐ NO	☐ ND*	WELL IS DRY	☐ YES	☐ NO
PARTED CASING	☐ YES	☐ NO	☐ ND*	PARTED CASING	☐ YES	☐ NO
BENTONITE IN WELL	☐ YES	☐ NO	☐ ND*	BENTONITE IN WELL	☐ YES	☐ NO
WELL SANDED IN	☐ YES	☐ NO	☐ ND*	WELL SANDED IN	☐ YES	☐ NO
COLLAPSED CASING	☐ YES	☐ NO	☐ ND*	COLLAPSED CASING	☐ YES	☐ NO
EQUIPMENT IN WELL	☐ YES	☐ NO	☐ ND*	EQUIPMENT IN WELL	☐ YES	☐ NO
DEBRIS IN WELL	☐ YES	☐ NO	☐ ND*	DEBRIS IN WELL	☐ YES	☐ NO
LAST PUMP INFORMATION				**CURRENT PUMP INFORMATION**		
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED		☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED	
PUMP TESTED	☐ YES	☐ NO	☐ ND*	PUMP TESTED	☐ YES	☐ NO
NEW PUMP	☐ YES	☐ NO	☐ ND*	NEW PUMP	☐ YES	☐ NO
ACTIVITY PEFORMED BY				ACTIVITY PEFORMED BY		
DATE ACTIVITY PERFORMED				DATE ACTIVITY PERFORMED		
PUMP TYPE				PUMP TYPE		
PUMP MAKE				PUMP MAKE		
PUMP MODEL				PUMP MODEL		
PUMP INTAKE DEPTH (ft)				PUMP INTAKE DEPTH (ft)		
TUBING SIZE (in)				TUBING SIZE (in)		
TUBING MATERIAL				TUBING MATERIAL		
TUBING LENGTH (ft)				TUBING LENGTH (ft)		
TUBING CONNECTION				TUBING CONNECTION		

ND* - Not Documented
BHI-EE-231 (02/20/02)

1/24/2003

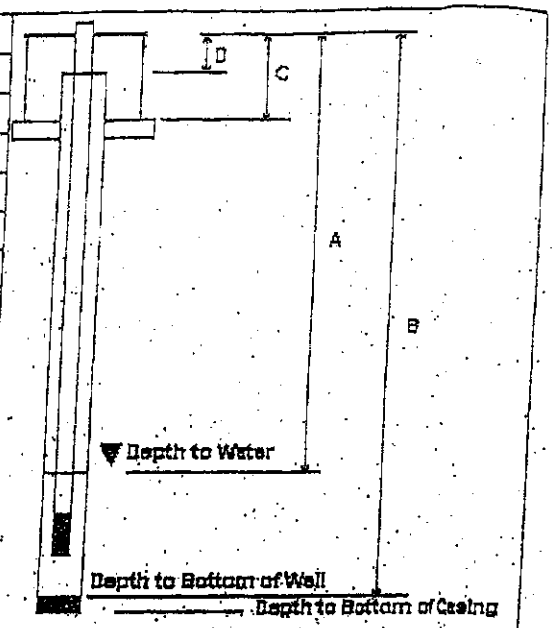
SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	
WELL ID	13788	DRILL DATE		NORTHING	128703.85
WELL NAME	699-17-26Q	CONST DATE		EASTING	581976.56
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented
BH1-EE-231 (6/20/02)

1/24/2003

SURVEY DATA REPORT

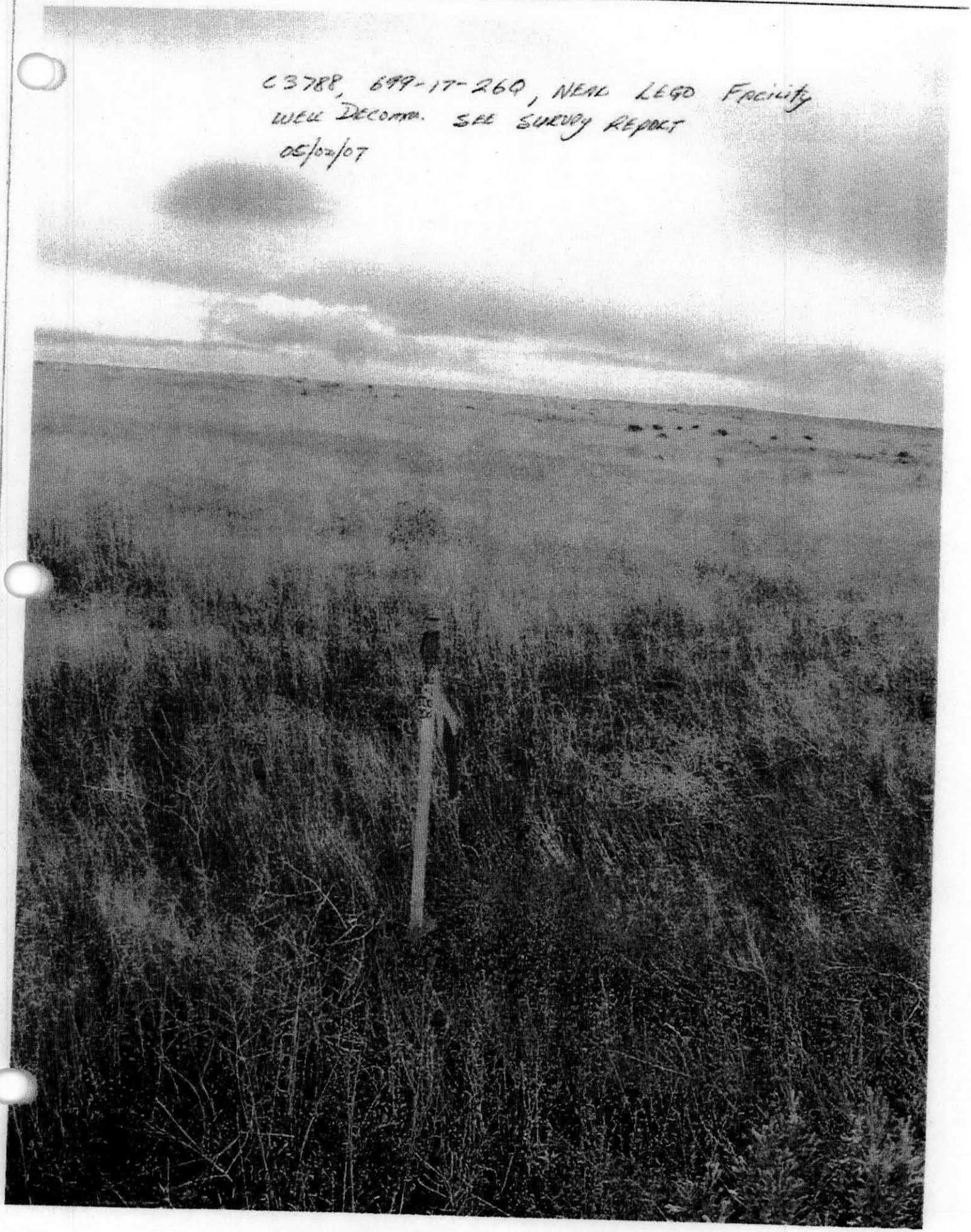
Request No. 072-0177				
Project No. N/A	Title: Survey Decommissiong Wells C3788/699-17-26Q			File No. 6T11-R27
Job No. 65400811.122540	Prepared By Tim Johnson	Date 3/13/2007	Reviewer Larry Kenley	Page 1 of 2

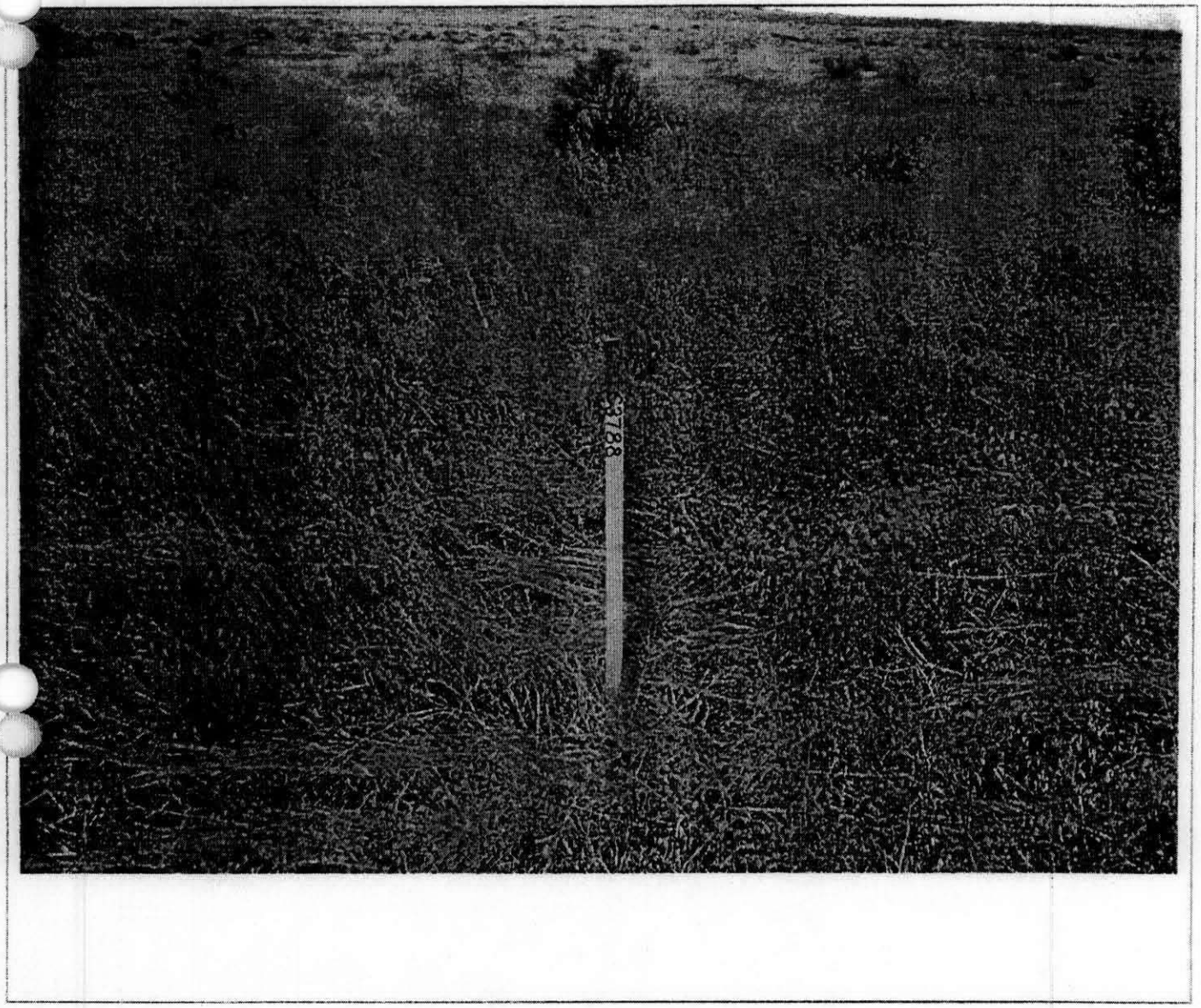
DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Survey well location for C3788. If found, fill out WAR Report. If not found, set hub and lath. Take photo. Coordinate System: US State Plane 1983 Zone: Washington South 4602 Project Datum: NAD 1983 (Conus) Vertical Datum: NAVD 1988 Geoid Model: Geoid03	Survey File	OR		
	B. Howard	1		
	C. Wright	1		
	G. Kelty	1		
	E. Rafuse	1		

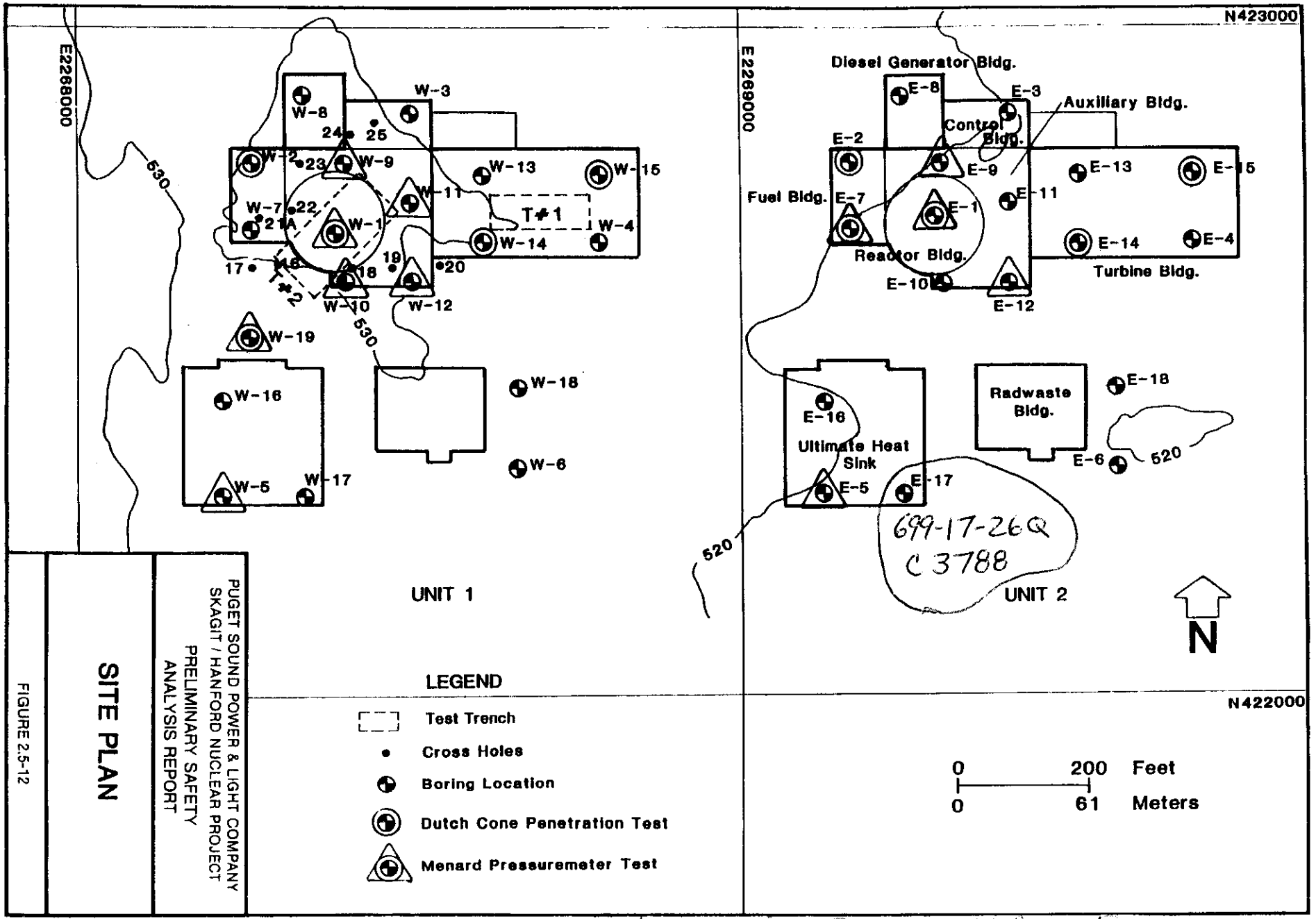
SURVEY RESULTS AND COMMENTS

Well ID# C3788 was not found at listed coordinates: N128703.85 E581976.56
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.


C3788, 699-17-269, NEAL LEGO Facility
well Decomm. See Survey Report
05/02/07





SITE PLAN

PUGET SOUND POWER & LIGHT COMPANY
SKAGIT / HANFORD NUCLEAR PROJECT
PRELIMINARY SAFETY ANALYSIS REPORT

FIGURE 2.5-12

All within NE¼ Section 33 T12N R27E

699-17-26R
C3789

WELL ATTRIBUTES REPORT

WELL ID	C3789	**NORTHING**	128752.613	**FIELD ORDER NO**	
WELL NAME	699-17-26R	**EASTING**	582073.897	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	C3789	**NORTHING**	128752.613	**FIELD ORDER NO**	
WELL NAME	699-17-26R	**EASTING**	582073.897	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	

PROGRAMS

WASTE SITES 50FT

WM PLAN(S)

WASTE STORAGE(S)

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFII
C3789	699-17-26R	BHI	NAD83(91)	09/24/2001	GPS	128752.613	582073.897	m	P

699-17-26R (E-18)
Location: ~N17224, W25721 12/27-33A11
Surface Elevation: 516.5
Hollow stem auger, drilled by Carman Water Wells for NESCO, 1981, foundation test boring

Material (38)	Thickness	Depth
Loose to medium dense, dark-yellowish-brown to olive-black, silty fine to medium sand	8	8
Medium dense to very dense, clean, fine to medium sand . .	11	19
Very dense, varicolored to olive-black, slightly silty fine to medium sand	7	26
Very dense, varicolored to olive-black, clean, fine to medium sand w/scattered silty layers	52	78
Very dense, varicolored to olive-black, clean, gravelly fine to coarse sand	21	97

SURVEY DATA REPORT

Request No.	
072-0177	

Project No.	Title:	File No.
N/A	Survey Decommissiong Wells	6T11-R27

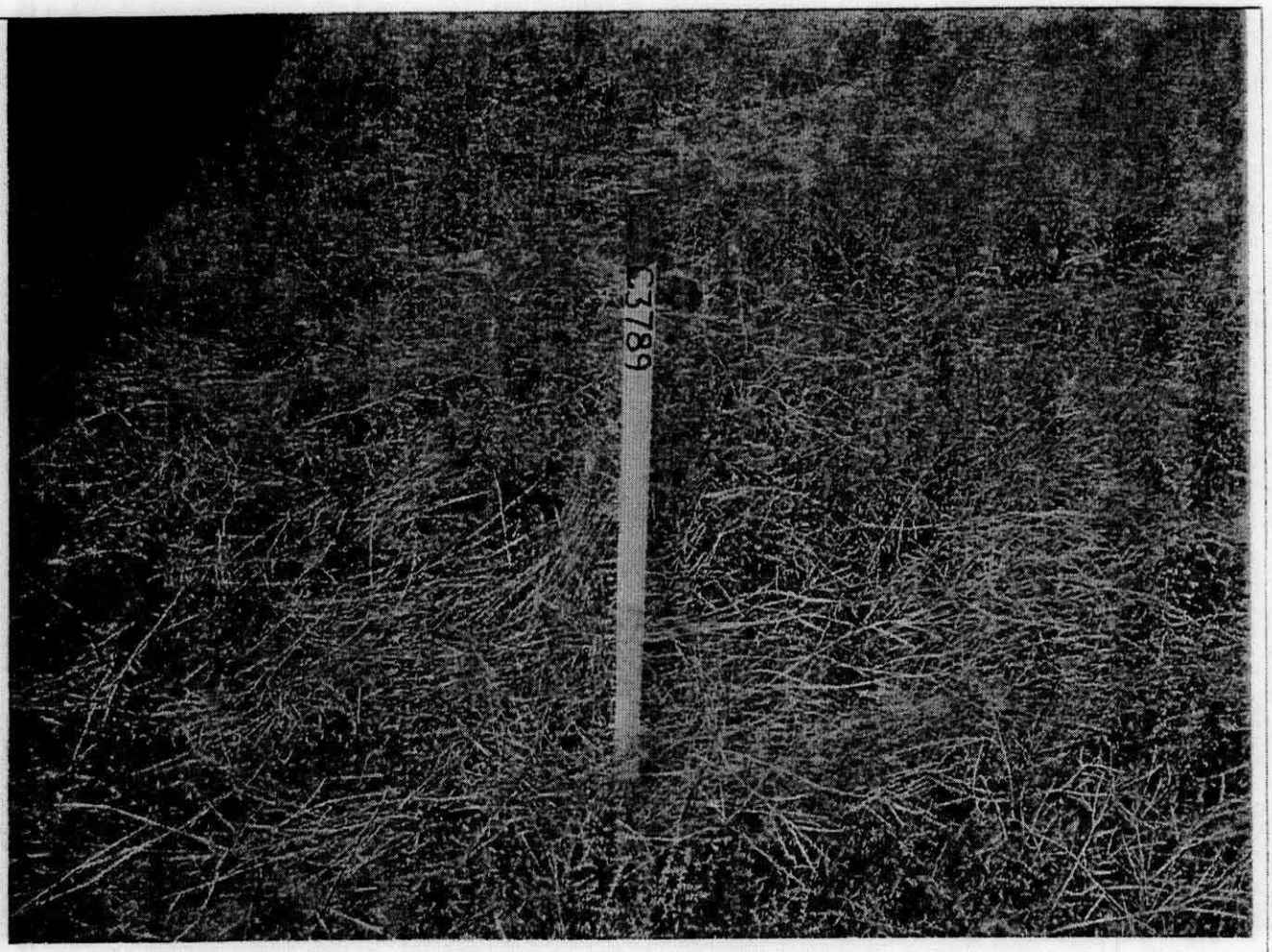
Job No.	Prepared By	Date	Reviewer	Page
65400811.122540	Tim Johnson	3/13/2007	Larry Henke	1 of 2

DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Survey well location for C3789. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
	B. Howard	1		
Coordinate System: US State Plane 1983	C. Wright	1		
Zone: Washington South 4602	G. Kelty	1		
Project Datum: NAD 1983 (Conus)	E. Rafuse	1		
Vertical Datum: NAVD 1988				
Geoid Model: Geoid03				

SURVEY RESULTS AND COMMENTS

Well ID# C3789 was not found at listed coordinates: N128752.610 E582073.897
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.



SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID 63789
WELL NAME 699-17-26R
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128752-610
EASTING 582073-897
ELEVATION

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☐ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☐ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☐ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☐ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☐ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☐ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☐ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☐ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☐ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☐ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☐ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☐ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☐ ND*	DEBRIS IN WELL	☐ YES ☐ NO
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☐ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☐ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (In)		TUBING SIZE (In)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

1/24/2003

ND* - Not Documented
BKI-EE-231 (01/20/02)

SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

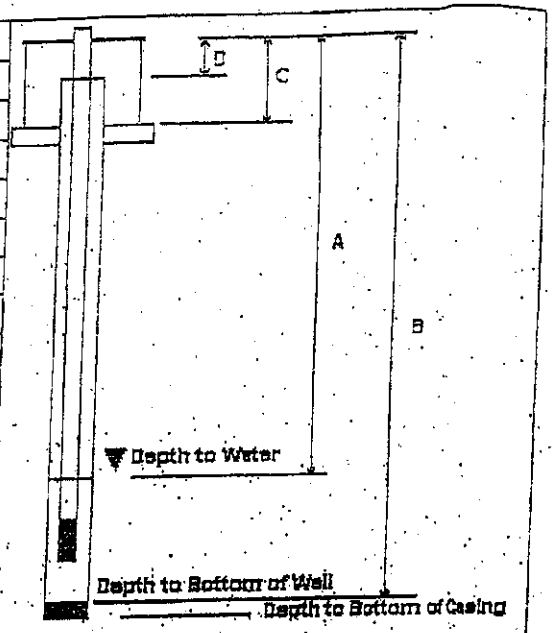
FIELD ORDER NO
WELL ID C3789
WELL NAME 699-17-26R
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128752.610
EASTING 582073.897
ELEVATION

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented
BHI-EE-231 (01/20/02)

1/24/2003

SURVEY DATA REPORT

Request No. 072-0177

Project No.	Title:	File No.
N/A	Survey Decommissiong Wells C3789/ 699-17-26R	6T11-R27

Job No.	Prepared By	Date	Reviewer	Page
65400811.122540	Tim Johnson	3/13/2007	Larry Henke	1 of 2

DESCRIPTION OF WORK

Survey well location for C3789. If found, fill out WAR Report. If not found, set hub and lath. Take photo.

Coordinate System: US State Plane 1983
Zone: Washington South 4602
Project Datum: NAD 1983 (Conus)
Vertical Datum: NAVD 1988
Geoid Model: Geoid03

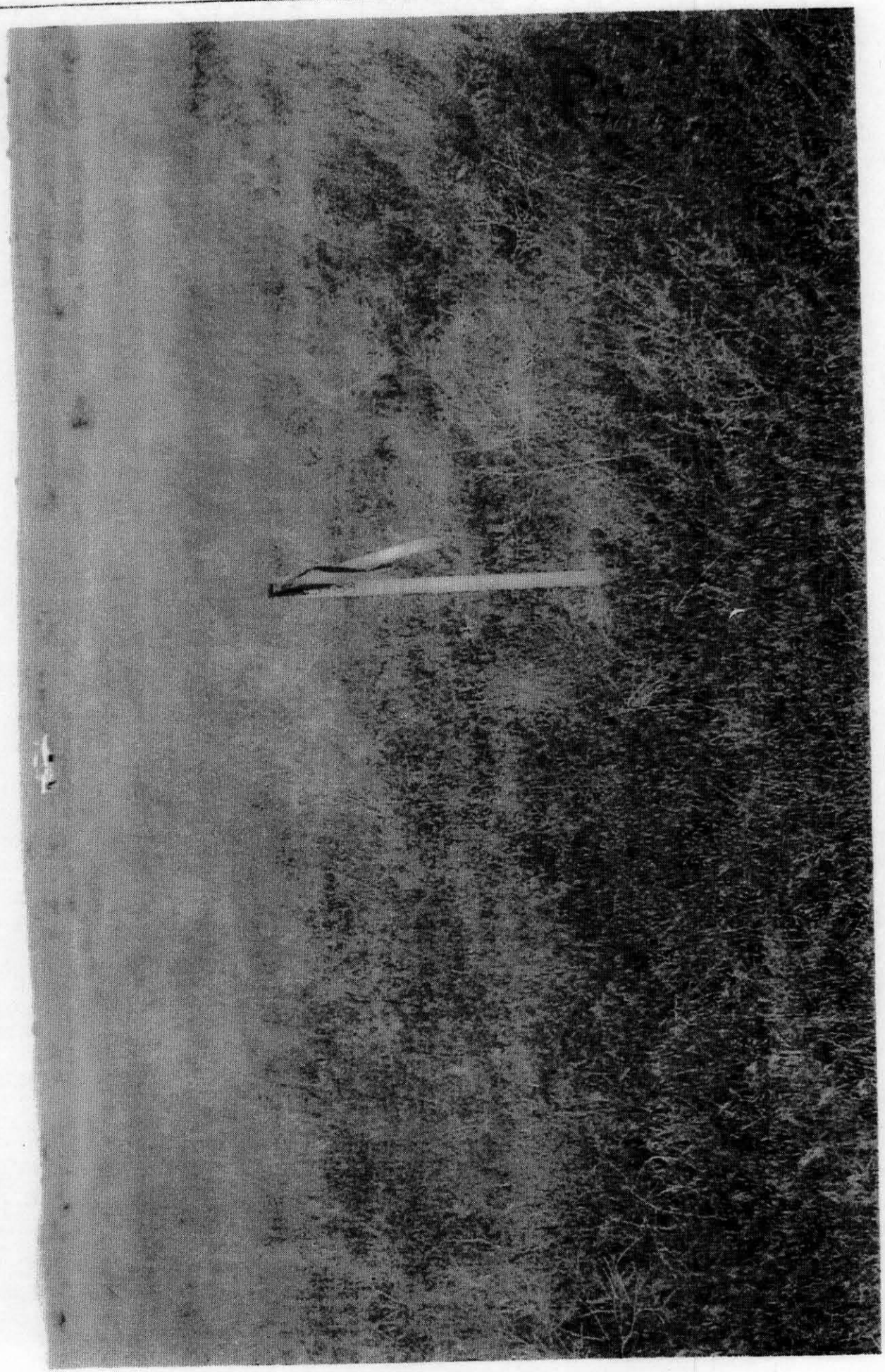
DISTRIBUTION	SDR	PLOT	DWG
Survey File	OR		
B. Howard	1		
C. Wright	1		
G. Kelty	1		
E. Rafuse	1		

SURVEY RESULTS AND COMMENTS

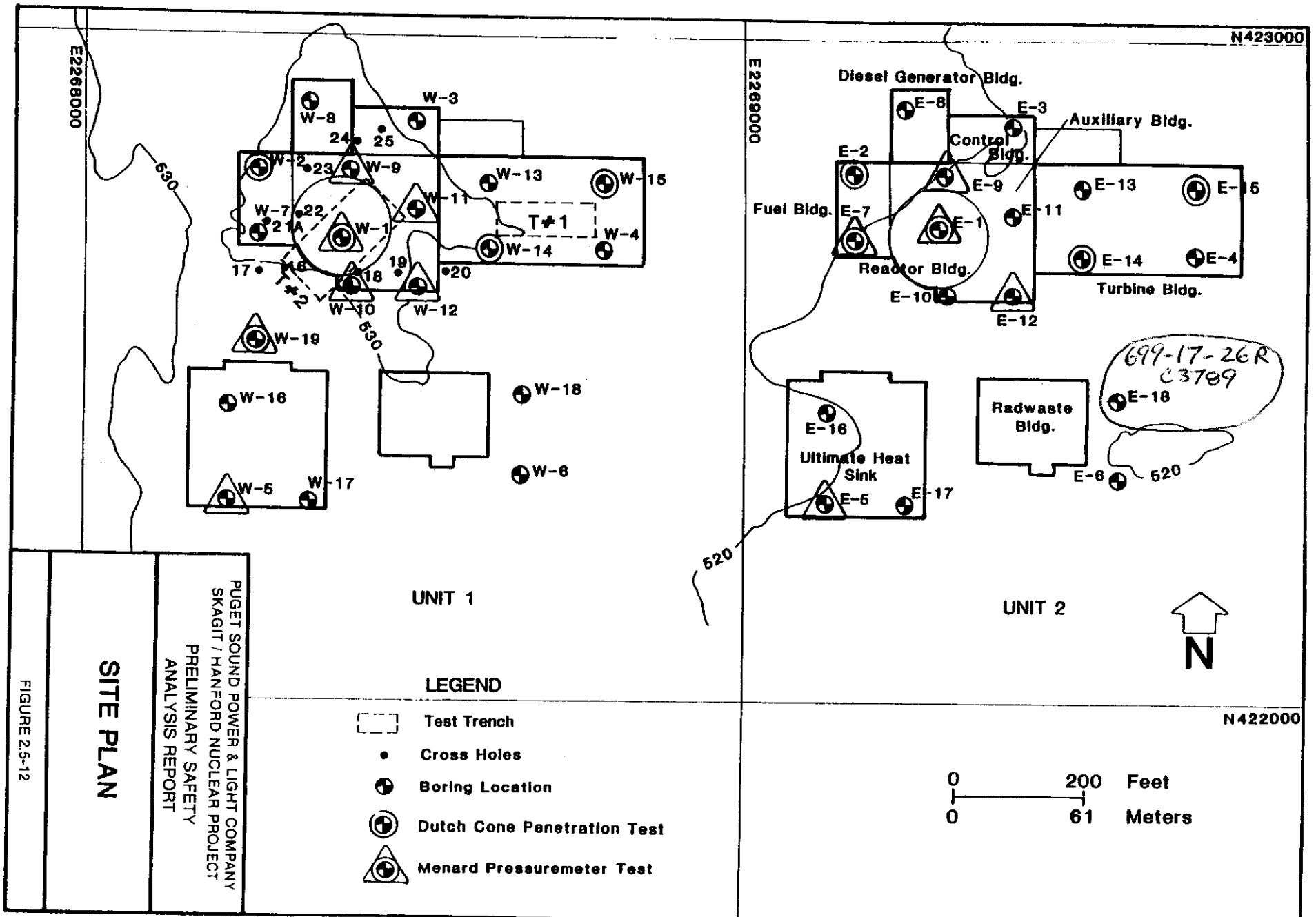
Well ID# C3789 was not found at listed coordinates: N128752.610 E582073.897
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

E-NW-246 (09/04)



17-26R, C 3789, near Lego Facility, W Decamp. Looking SW 05/02/07



All within NE¼ Section 33 T12N R27E

PUGET SOUND POWER & LIGHT COMPANY
SKAGIT / HANFORD NUCLEAR PROJECT
PRELIMINARY SAFETY ANALYSIS REPORT

SITE PLAN

FIGURE 2.5-12

699-17-26T
C3790

WELL ATTRIBUTES REPORT

WELL ID	C3790	**NORTHING**	128825.641	**FIELD ORDER NO**	
WELL NAME	699-17-26T	**EASTING**	581952.09	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☑ ND ☐ MINOR ☐ NONE	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☑ ND ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
LAST TUBING INFORMATION		**CURRENT TUBING INFORMATION**	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	
LAST MEASUREMENT INFORMATION		**CURRENT MEASUREMENT INFORMATION**	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	C3790	**NORTHING**	128825.641	**FIELD ORDER NO**	
WELL NAME	699-17-26T	**EASTING**	581952.09	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIEI
C3790	699-17-26T	BHI	NAD83(91)	09/24/2001	GPS	128825.641	581952.09	m	P

699-17-26T (E-7)
Location: ~N17465, W26120 12/27-33A5
Surface Elevation: 518.1
Hollow stem auger, drilled by Carman Water Wells for NESCO, 1981, foundation test boring

Material (38)	Thickness	Depth
Loose, dark-yellowish-brown to olive-gray, silty fine sand	3	3
Medium dense, varicolored to olive-black, slightly silty fine to coarse sand & varicolored to olive-gray, silty fine to medium sand w/scattered gravel	10	13
Medium dense to dense, varicolored to olive-black, slightly silty fine to coarse sand w/scattered gravel & silty layers	13	26
Very dense to olive-black, silty fine to medium sand	11	37
Very dense, varicolored to olive-black, slightly silty fine to medium sand	40	77
Very dense, varicolored to olive-black, slightly silty fine to coarse sand w/scattered gravel		
Very dense, varicolored to olive-gray, slightly silty fine sand		
Very dense, varicolored to olive-black, slightly silty gravelly fine to coarse sand .	13	90

SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID C3790 "
WELL NAME 699-17-26I"
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128825.64
EASTING 581952.09
ELEVATION

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☐ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☐ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☐ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☐ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☐ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☐ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☐ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☐ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☐ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☐ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☐ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☐ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☐ ND*	DEBRIS IN WELL	☐ YES ☐ NO

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☐ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☐ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (In)		TUBING SIZE (In)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

ND* - Not Documented
BHI-EE-231 (02/20/02)

1/24/2003

SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

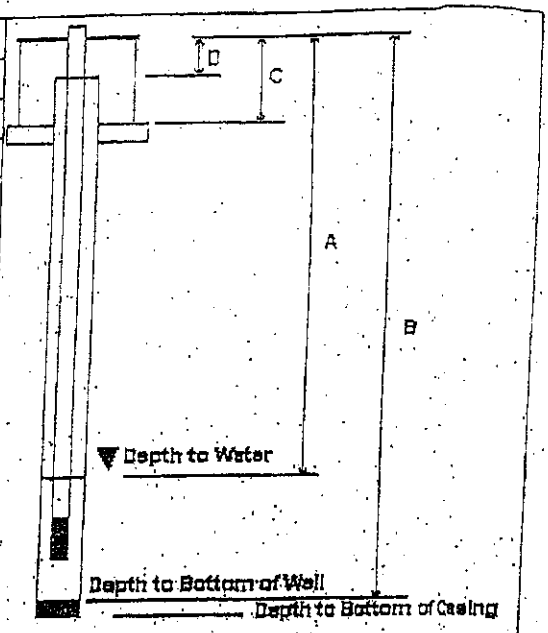
FIELD ORDER NO
WELL ID C3790
WELL NAME 699-17-26"T"
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 128825.64
EASTING 581952.09
ELEVATION

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented
BHI-EE-231 (02/20/02)

1/24/2003

SURVEY DATA REPORT

Request No. 072-0177

Project No.	Title:	File No.
N/A	Survey Decommissiong Wells C3790/ 699-17-26T	6T11-R27

Job No.	Prepared By	Date	Reviewer	Page
65400811.122540	Tim Johnson	3/13/2007	Jerry Henke	1 of 2

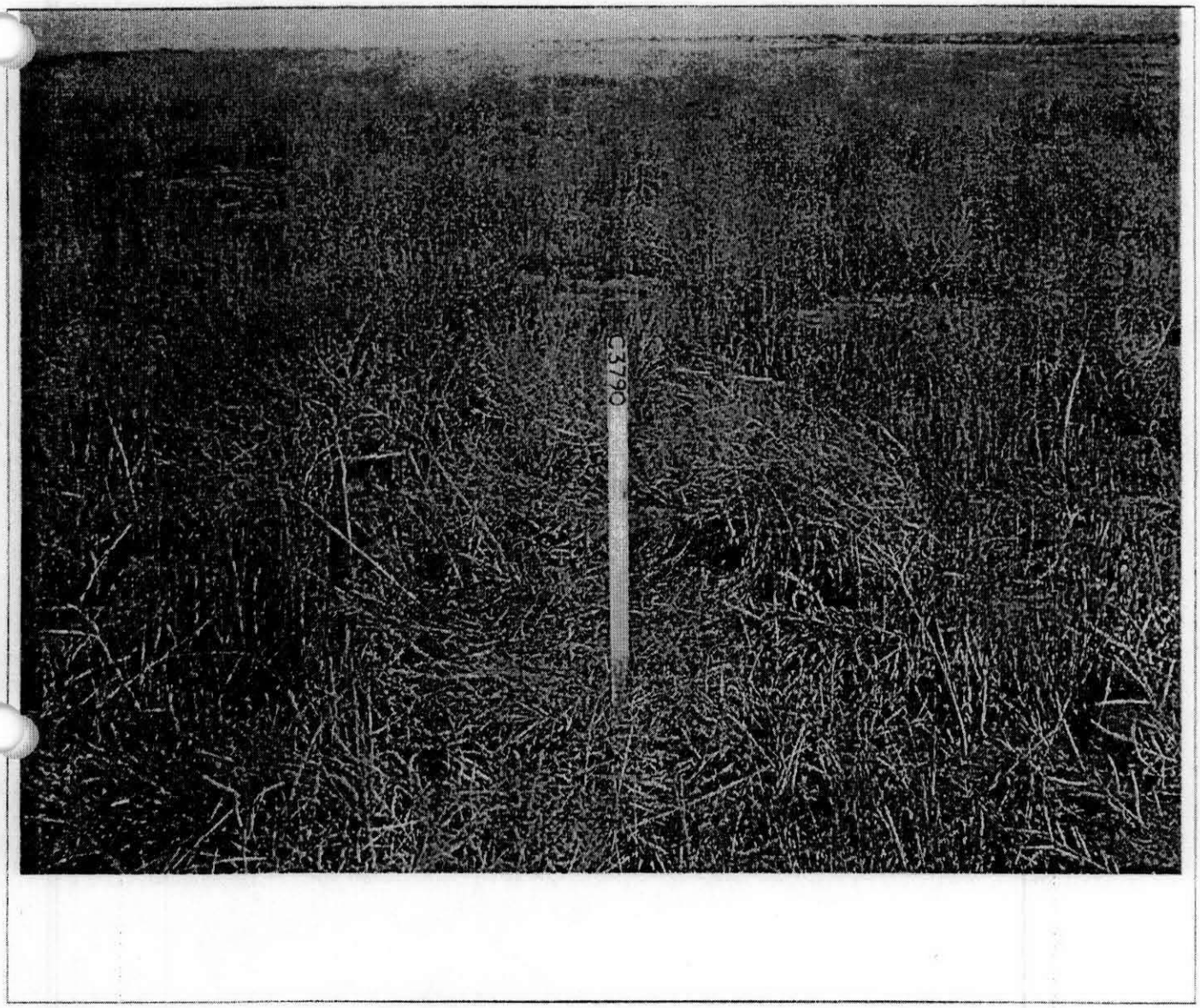
DESCRIPTION OF WORK	DISTRIBUTION	SDR	PLOT	DWG
Survey well location for C3790. If found, fill out WAR Report. If not found, set hub and lath. Take photo.	Survey File	OR		
	B. Howard	1		
Coordinate System: US State Plane 1983	C. Wright	1		
Zone: Washington South 4602	G. Kelty	1		
Project Datum: NAD 1983 (Conus)	E. Rafuse	1		
Vertical Datum: NAVD 1988				
Geoid Model: Geoid03				

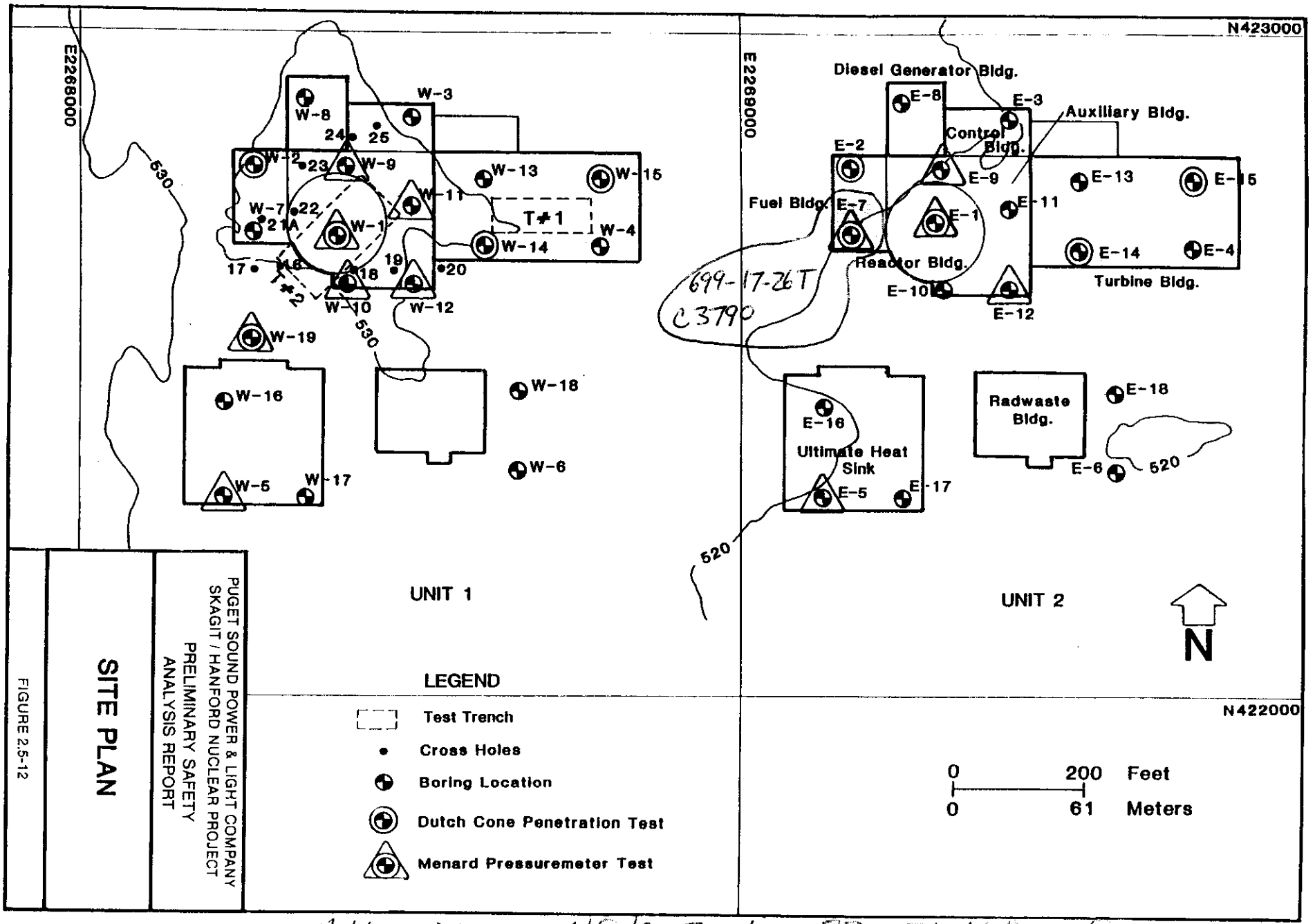
SURVEY RESULTS AND COMMENTS

Well ID# C3790 was not found at listed coordinates: N128825.64 E581952.09
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

699-17-26T, C3790, WELL Decomm. ... Vicinity Looking NE 05/07





PUGET SOUND POWER & LIGHT COMPANY
SKAGIT / HANFORD NUCLEAR PROJECT
PRELIMINARY SAFETY ANALYSIS REPORT

SITE PLAN

FIGURE 2.5-12

All within NE¼ Section 33 T12N R27E

699-17-26V
C3791

WELL ATTRIBUTES REPORT

WELL ID	C3791	**NORTHING**	128801.407	**FIELD ORDER NO**	
WELL NAME	699-17-26V	**EASTING**	581994.825	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☑ ND	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☑ ND	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☑ ND	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☑ ND	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☑ ND	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☑ ND	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☑ ND	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☑ ND	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☑ ND	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☑ ND	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☑ ND	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☑ ND	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☑ ND	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☑ ND	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☑ ND	DEBRIS IN WELL	☐ YES ☐ NO
SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE ☑ ND	SURFACE EROSION	☐ MAJOR ☐ MINOR ☐ NONE

LAST PUMP INFORMATION		CURRENT PUMP INFORMATION	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED ☑ ND	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ INSPECTED ☐ NONE ☐ REMOVED ☐ REPLACED ☐ REPAIRED
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	__/__/____
PUMP IN WELL	☐ YES ☐ NO ☑ ND	PUMP IN WELL	☐ YES ☐ NO
PUMP TESTED	☐ YES ☐ NO ☑ ND	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☑ ND	NEW PUMP	☐ YES ☐ NO
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	

LAST TUBING INFORMATION		CURRENT TUBING INFORMATION	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

LAST MEASUREMENT INFORMATION		CURRENT MEASUREMENT INFORMATION	
DEPTH TO WATER(ft)		DEPTH TO WATER(ft)	
DEPTH TO WATER DATE		DEPTH TO WATER DATE	__/__/____
DEPTH TO BOTTOM(ft)		DEPTH TO BOTTOM(ft)	
DEPTH TO BOTTOM DATE		DEPTH TO BOTTOM DATE	__/__/____
STICK UP(ft)		STICK UP(ft)	
REFERENCE MARK(ft)		REFERENCE MARK(ft)	
REFERENCE MARK IS TOC	☐ YES ☐ NO ☑ ND	REFERENCE MARK IS TOC	☐ YES ☐ NO

ND* - Not Documented

WELL ATTRIBUTES REPORT

WELL ID	C3791	**NORTHING**	128801.407	**FIELD ORDER NO**	
WELL NAME	699-17-26V	**EASTING**	581994.825	**LAST INSPECTION**	1/1/1801
HOST WELL ID		**ELEVATION**		**CONST DATE**	
GW OPERABLE UNIT	200-PO-1	**DRILL DATE**		**CONST DEPTH**	
PROGRAMS					
WASTE SITES 50FT					
WM PLAN(S)					
WASTE STORAGE(S)					

WELL ATTRIBUTE COMMENTS

CASING INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	CONNECTION	THICKNESS/UNITS	REMOVED

CHANGES

SCREEN INFORMATION

SIZE/UNITS	TOP/BOT/UNITS	MATERIAL	TYPE	SLOT SIZE/UNITS	REMOVED

CHANGES

PERFORATION INFORMATION

CASING SIZE/UNITS	TOP/BOT/UNITS	CUTS/FT/ROUND	REMOVED

CHANGES

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFII
C3791	699-17-26V	BHI	NAD83(91)	09/24/2001	GPS	128801.407	581994.825	m	P

699-17-26V (E-10)
Location: ~N17385, W25980 12/27-33A6
Surface Elevation: 517.2
Hollow stem auger, drilled by Carman Water Wells for NESCO, 1981, foundation test boring

Material (38)	Thickness	Depth
Loose, dark-yellowish-brown, slightly silty fine to medium sand	3	3
Dense, varicolored to olive-black & gray, silty fine to medium sand	7	10
Medium dense to dense, varicolored to olive-black, clean, medium to coarse sand w/scattered gravel	16	26
Very dense, varicolored to olive-black, silty fine to medium sand	7	33
Very dense, varicolored to olive-black, clean, fine to medium sand	~~40~~ 40	~~73~~ 73
Very dense, varicolored to olive-gray, slightly silty fine sand		
Very dense, varicolored to olive-black, clean, gravelly fine to coarse sand	22	95

SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO
WELL ID G3791
WELL NAME 699-17-26 "V"
HOST WELL ID

DRILL DATE
CONST DATE
CONST DEPTH

LAST INSPECTION
NORTHING 72801.41
EASTING 581984.83
ELEVATION

LAST INSPECTION INFORMATION		CURRENT INSPECTION INFORMATION	
WELL PAD	☐ YES ☐ NO ☐ ND*	WELL PAD	☐ YES ☐ NO
BRASS SURVEY MARKER	☐ YES ☐ NO ☐ ND*	BRASS SURVEY MARKER	☐ YES ☐ NO
MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH SURVEY DATA	☐ YES ☐ NO
MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO ☐ ND*	MARKER STAMPED WITH WELL ID DATA	☐ YES ☐ NO
WELL LABELED WITH WELL ID	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL ID	☐ YES ☐ NO
WELL LABELED WITH WELL NAME	☐ YES ☐ NO ☐ ND*	WELL LABELED WITH WELL NAME	☐ YES ☐ NO
PROTECTIVE POSTS	☐ YES ☐ NO ☐ ND*	PROTECTIVE POSTS	☐ YES ☐ NO
REMOVABLE POST IN PLACE	☐ YES ☐ NO ☐ ND*	REMOVABLE POST IN PLACE	☐ YES ☐ NO
WELL LOCK	☐ YES ☐ NO ☐ ND*	WELL LOCK	☐ YES ☐ NO
WELL DAMAGED	☐ YES ☐ NO ☐ ND*	WELL DAMAGED	☐ YES ☐ NO
WELL IS DRY	☐ YES ☐ NO ☐ ND*	WELL IS DRY	☐ YES ☐ NO
PARTED CASING	☐ YES ☐ NO ☐ ND*	PARTED CASING	☐ YES ☐ NO
BENTONITE IN WELL	☐ YES ☐ NO ☐ ND*	BENTONITE IN WELL	☐ YES ☐ NO
WELL SANDED IN	☐ YES ☐ NO ☐ ND*	WELL SANDED IN	☐ YES ☐ NO
COLLAPSED CASING	☐ YES ☐ NO ☐ ND*	COLLAPSED CASING	☐ YES ☐ NO
EQUIPMENT IN WELL	☐ YES ☐ NO ☐ ND*	EQUIPMENT IN WELL	☐ YES ☐ NO
DEBRIS IN WELL	☐ YES ☐ NO ☐ ND*	DEBRIS IN WELL	☐ YES ☐ NO
LAST PUMP INFORMATION		**CURRENT PUMP INFORMATION**	
PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED ☐ ND*	PUMP ACTIVITY PERFORMED	☐ INSTALLED ☐ REPLACED ☐ REMOVED
PUMP TESTED	☐ YES ☐ NO ☐ ND*	PUMP TESTED	☐ YES ☐ NO
NEW PUMP	☐ YES ☐ NO ☐ ND*	NEW PUMP	☐ YES ☐ NO
ACTIVITY PEFORMED BY		ACTIVITY PEFORMED BY	
DATE ACTIVITY PERFORMED		DATE ACTIVITY PERFORMED	
PUMP TYPE		PUMP TYPE	
PUMP MAKE		PUMP MAKE	
PUMP MODEL		PUMP MODEL	
PUMP INTAKE DEPTH (ft)		PUMP INTAKE DEPTH (ft)	
TUBING SIZE (in)		TUBING SIZE (in)	
TUBING MATERIAL		TUBING MATERIAL	
TUBING LENGTH (ft)		TUBING LENGTH (ft)	
TUBING CONNECTION		TUBING CONNECTION	

ND* - Not Documented
BMI-EE-231 (02/20/02)

1/24/2003

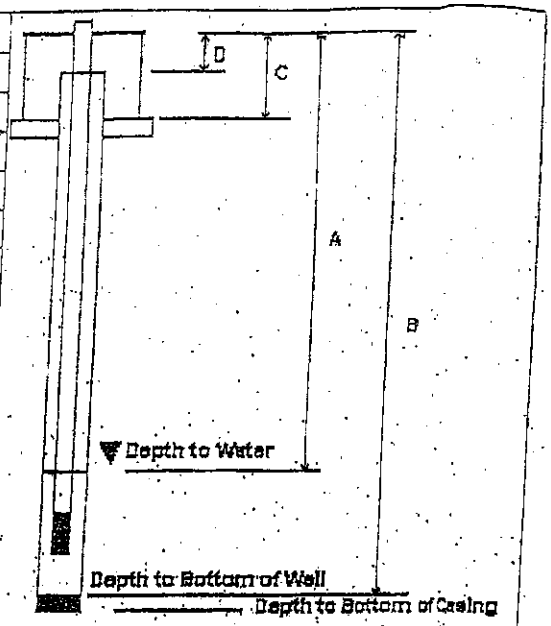
SEE SURVEY REPORT - WELL DECOMM.

WELL ATTRIBUTES REPORT

FIELD ORDER NO				LAST INSPECTION	
WELL ID	C 3791	DRILL DATE		NORTHING	128801.41
WELL NAME	699-17-28V	CONST DATE		EASTING	581994.83
HOST WELL ID		CONST DEPTH		ELEVATION	

MEASUREMENT INFORMATION

		LAST	CURRENT
A	DEPTH TO WATER(ft)		
	DEPTH TO WATER DATE		
B	DEPTH TO BOTTOM(ft)		
	DEPTH TO BOTTOM DATE		
C	STICK UP(ft)		
D	REFERENCE MARK(ft)		
	REFERENCE MARK IS TOC	☐ YES ☐ NO ☐ ND*	☐ YES ☐ NO



A DEPTH TO WATER FROM TOP OF CASING
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
C TOP OF CASING TO GROUND SURFACE/PAD
D TOP OF CASING TO SURVEY REFERENCE MARKER

PERFORATION INFORMATION

CASING SIZE	TOP	BOTTOM	CUTS/FT/ROUND

CHANGES

CASING INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	CONNECTION	THICKNESS

CHANGES

SCREEN INFORMATION

SIZE	TOP	BOTTOM	MATERIAL	TYPE	SLOT SIZE

CHANGES

ND* - Not Documented
BH1-EE-231 (01/20/02)

1/24/2003

SURVEY DATA REPORT

Request No. 072-0177

Project No.	Title:	File No.
N/A	Survey Decommissiong Wells C3791 / 699-17-26V	6T11-R27

Job No.	Prepared By	Date	Reviewer	Page
65400811.122540	Tim Johnson	3/13/2007	Barry Henke	1 of 2

DESCRIPTION OF WORK

Survey well location for C3791. If found, fill out WAR Report. If not found, set hub and lath. Take photo.

Coordinate System: US State Plane 1983
Zone: Washington South 4602
Project Datum: NAD 1983 (Conus)
Vertical Datum: NAVD 1988
Geoid Model: Geoid03

DISTRIBUTION	SDR	PLOT	DWG
Survey File	OR		
B. Howard	1		
C. Wright	1		
G. Kelty	1		
E. Rafuse	1		

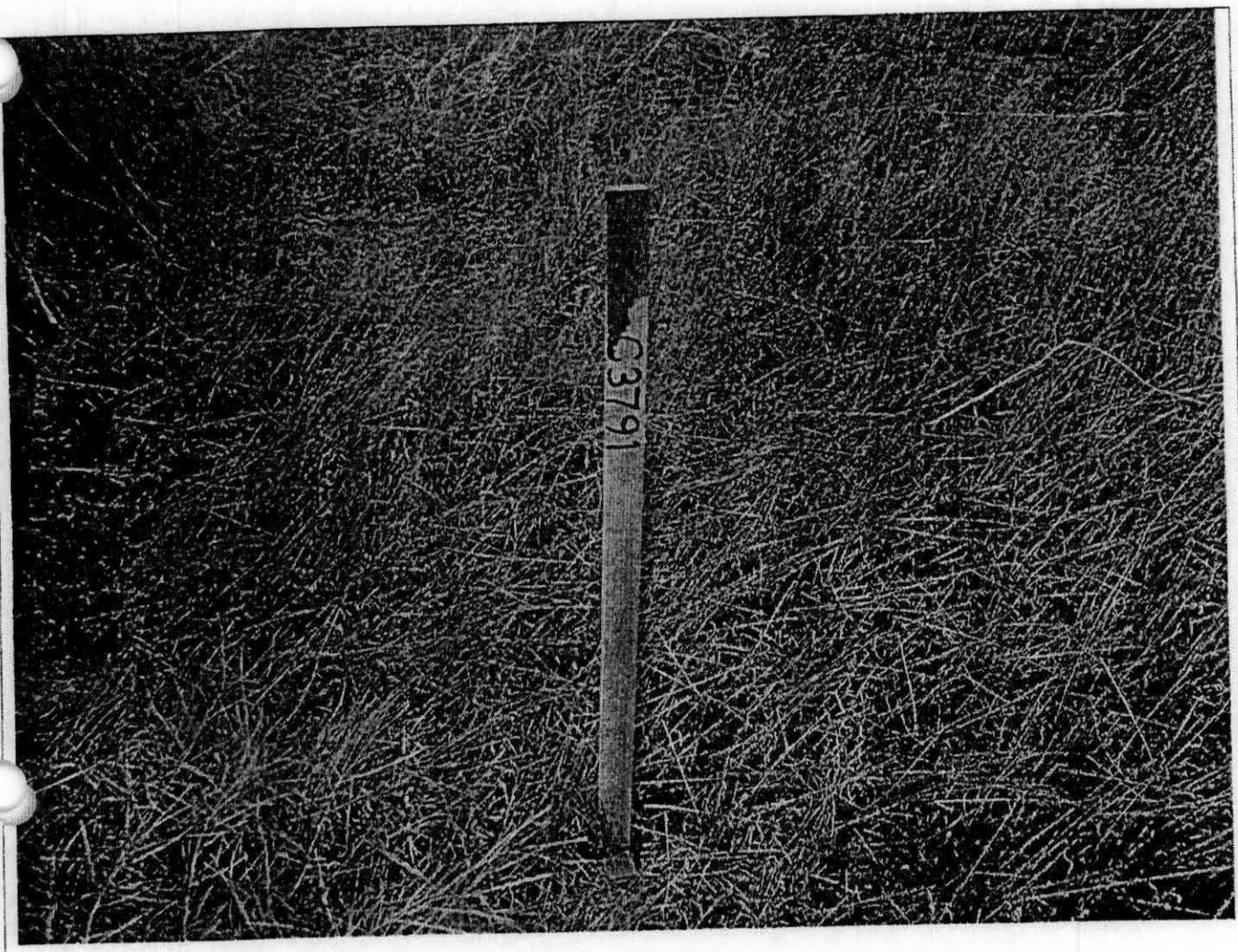
SURVEY RESULTS AND COMMENTS

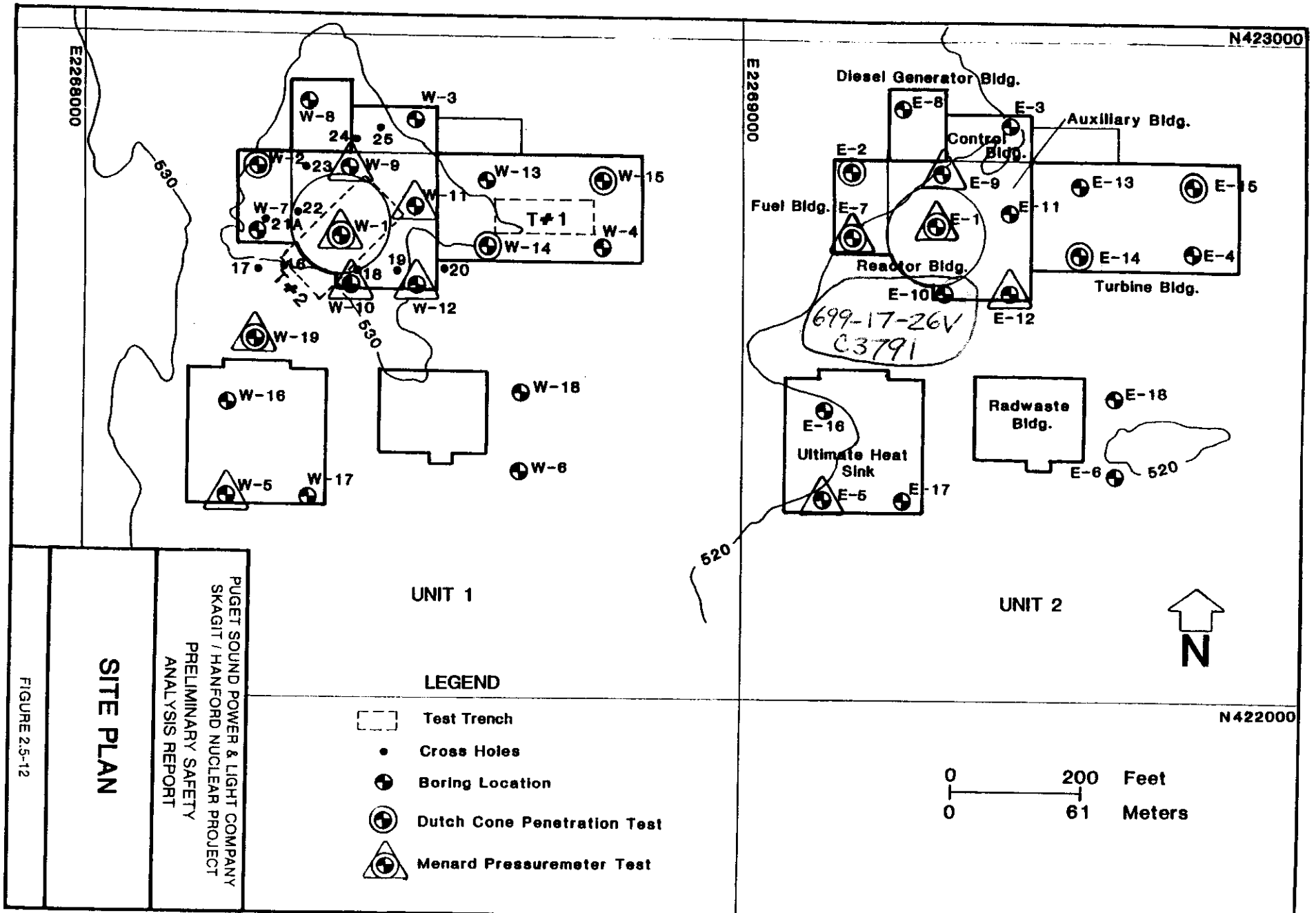
Well ID# C3791 was not found at listed coordinates: N128801.41 E581994.83
Set hub and lath. Took Photo.

NOTE: This Survey was performed under the supervision of a Licensed Professional Land Surveyor registered in the State of Washington.

E-NW-246 (09/04)

699-17-26V, C3791, NEAR LEGO FACILITY looking NE, WELL DRILLED 05/07





SITE PLAN

PUGET SOUND POWER & LIGHT COMPANY
SKAGIT / HANFORD NUCLEAR PROJECT
PRELIMINARY SAFETY
ANALYSIS REPORT

FIGURE 2.5-12

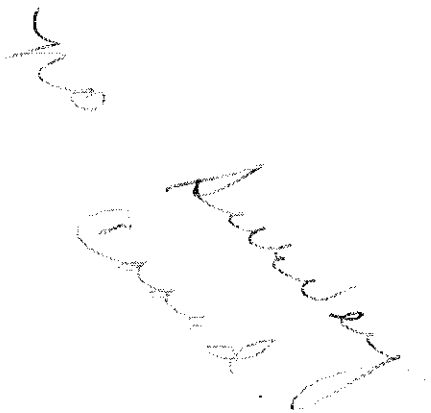
All within NE¼ Section 33 T12N R27E

699-17-27
A8369

WELL NAME / WELL TYPE / PUMP TYPE	COORDINATES L 83 NS/EW	COORDINATES PLANT NS/EW	CASING ELEV / WELL DIAM / DATE COMPL	DRILL DEPTH / COMPL DEPTH / DEPTH WATER	PERF/SCREEN TYPE	PERF/SCREEN DIAM	PERF/SCREEN TOP	PERF/SCREEN BOT	COMMENTS / PREVIOUS WELL NAMES
699-17-26BP		16664.00	518.02	290.0	P	.8	268.0	288.0	PIEZOMETER
GW		-26188.00	.8						
			7/81						PH-5
699-17-26BQ		16664.00	518.61		P	2.0	156.0	161.0	PIEZOMETER
GW		-26188.00	2.0						
									PH-5
699-17-26BR		16664.00	518.38	130.0	P	2.0	120.0	125.0	PIEZOMETER
GW		-26188.00	2.0						
			7/81						PH-5
699-17-26CP		16867.00	515.89	196.0	P	2.0	186.0	191.0	PIEZOMETER
GW		-26086.00	2.0						
			7/81						PH-6
699-17-26CQ		16867.00	515.87		P	2.0	155.0	160.0	PIEZOMETER
GW		-26086.00	2.0						
									PH-6
699-17-26CR		16867.00	515.79	130.0	P	2.0	120.0	125.0	PIEZOMETER
GW		-26086.00	2.0						
			7/81						PH-6
699-17-26D									
GW			6.0	136.0					
			12/81	117.0					
699-17-26E									
GW			6.0	124.0					
			12/81	119.0					
699-17-26F									
SW									E-1
699-17-26G									
GW									699-17-26, E-19
699-17-26H									
SW									E-20
699-17-27									
GW			6.0	149.0					
			12/81	129.0					

WIS Interface - Survey Information - Horizontal

NELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFIER	CC
A8369	699-17-27	– No information available –								



Query HWIS again

Available Documents:

Well ID	Document Number	Document Type	Date	Description	Rev
Well ID: A8369, Well Name: 699-17-27					
A8369	-- No information available --				